

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

---

LETTER

FROM

THE SECRETARY OF AGRICULTURE,

TRANSMITTING

REPORT OF THE OPERATIONS OF THE BUREAU OF ANIMAL  
INDUSTRY FOR THE FISCAL YEAR ENDED JUNE 30, 1898.

---

JANUARY 10, 1899.—Referred to the Committee on Agriculture and Forestry and  
ordered to be printed.

---

U. S. DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
*Washington, D. C., January 9, 1899.*

SIR: I have the honor to transmit herewith the report of the operations of the Bureau of Animal Industry for the fiscal year ended June 30, 1898, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

Very respectfully,

JAMES WILSON, *Secretary.*

The PRESIDENT OF THE SENATE.



OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR THE  
FISCAL YEAR ENDED JUNE 30, 1898.

WORK OF THE INSPECTION DIVISION.

MEAT INSPECTION.

The increase of work in connection with meat inspection was very large during the year and required the appointment of a large number of employees. These were obtained upon certification by the Civil Service Commission, and have proved, as in the previous year, to be competent and satisfactory. Although the Bureau force of employees is enlarged from year to year, as the appropriations for the inspection work will permit, the efficiency of the employees is also increased through the examination by the Civil Service Commission, and the Bureau is thus enabled to maintain a thorough system of inspection.

A reference to the tables giving the number of animals inspected this year and for 1897 shows that the number has been greatly increased; yet it is still true that the appropriation for this Bureau is not sufficient to permit of the inspection of all meat entering into interstate commerce, although the law contemplates that all should be inspected. It is true, however, this year as last, that all of the beef exported to Europe and the greater part of the pork and other meat products exported have been inspected in accordance with the law.

During the year meat inspection has been in operation at 135 abattoirs, as against 128 for the previous year, and in 35 cities, as against 33 in 1897. This, however, does not represent the entire increase in the meat inspection, since at nearly all packing houses a larger number of animals have been inspected than in previous years.

The table following gives the number of inspections of animals before slaughter, made either in the stock yards or at the abattoirs, and shows the number inspected for official abattoirs and the number of inspections of animals for abattoirs in other cities and miscellaneous buyers; also the number condemned on this inspection at abattoirs and the number rejected in the stock yards. The number of rejected animals slaughtered and the number of these condemned will be found in the table of post-mortem inspections:

*Ante-mortem inspections.*

Kind of animal.	For official abattoirs in cities where inspections were made.	For abattoirs in other cities and miscellane- ous buyers.	Total inspec- tions.	Condemned at abat- toirs.	Rejected in stock yards.
Cattle .....	4, 552, 919	4, 675, 318	9, 228, 237	104	27, 491
Sheep .....	5, 706, 092	4, 322, 195	10, 028, 287	741	9, 594
Calves .....	241, 092	227, 107	468, 199	67	2, 439
Hogs .....	20, 713, 863	10, 896, 812	31, 610, 675	9, 679	66, 061
Total .....	31, 213, 966	20, 121, 432	51, 335, 398	10, 591	105, 585

A comparison with the figures for 1897 shows a gain for 1898 of 1,178,212 cattle, 1,983,932 sheep, 19,216 calves, and 6,043,931 hogs, a



total gain of 9,025,291 animals. This is an increase over 1896 of 15,417,919 animals. The number of condemned animals at abattoirs was 3,275 fewer than 1897, and the number rejected in stock yards was 27,247 greater.

The number of animals inspected at time of slaughter and the number of carcasses and parts of carcasses condemned are given in the following table:

*Post-mortem inspections.*

Kind of animal.	Number of inspections.			Carcasses condemned.			Parts of carcasses condemned at abattoirs.
	For abattoirs.	Animals rejected in stock yards.	Total.	For abattoirs.	Animals rejected in stock yards.	Total.	
Cattle.....	4, 418, 738	14, 143	4, 433, 181	6, 900	3, 118	10, 018	12, 591
Sheep.....	5, 436, 904	4, 753	5, 501, 657	2, 606	961	3, 567	287
Calves.....	244, 330	825	245, 155	206	138	344	52
Hogs.....	20, 893, 199	43, 641	20, 936, 840	a 69, 652	7, 927	77, 579	b 35, 250
Total.....	31, 053, 171	63, 662	31, 116, 833	79, 364	12, 144	91, 508	48, 180

a Includes 19,978 condemned on microscopic examination.

b Includes 5,902 condemned on microscopic examination.

In addition to the above, there were killed by city inspectors 1,785 cattle, 1,509 sheep, 192 calves, and 14,698 hogs which had been rejected in the stock yards by officers of the Bureau of Animal Industry.

The meat-inspection tag or brand was placed on 14,815,753 quarters and 968,014 pieces of beef, 5,448,477 carcasses of sheep, 217,010 carcasses of calves, 680,876 carcasses of hogs, and 394,563 sacks of pork.

The meat-inspection stamp was affixed to 4,433,569 packages of beef products, 5,163 packages of mutton, and 10,145,048 packages of hog products, of which 374,131 contained microscopically examined pork.

The number of cars sealed containing inspected meat for shipment to packing houses and other places was 18,631.

There were issued 35,267 certificates for meat products which had received the ordinary inspection. These covered exports, comprising 1,256,716 quarters, 67,120 pieces, and 735,814 packages of beef, weighing 339,650,091 pounds; 5,163 packages of mutton, weighing 324,996 pounds; 39,212 hog carcasses, and 653,564 packages of pork, weighing 244,956,482 pounds.

The cost of this work was \$409,138.09, which makes an average of 0.8 cent for each of the 51,335,398 ante-mortem inspections, besides covering all the subsequent work of post-mortem inspection, tagging, stamping, etc.

The cost of inspection has been growing gradually less year by year.

The average cost per head was  $4\frac{3}{4}$  cents in 1893,  $1\frac{3}{4}$  cents in 1894, 1.1 cents in 1895, 0.95 cent in 1896, and 0.91 cent in 1897.

For the purpose of comparison the following table is given:

*Number of animals inspected before slaughter for abattoirs having inspection, 1891-1898.*

Fiscal year.	Cattle.	Calves.	Sheep.	Hogs.	Total.
1891.....	83, 891				83, 891
1892.....	3, 167, 009	59, 089	583, 361		3, 809, 459
1893.....	3, 922, 174	92, 947	870, 512		4, 885, 633
1894.....	3, 862, 111	96, 331	1, 020, 764	7, 964, 850	12, 944, 056
1895.....	3, 752, 111	109, 941	1, 344, 031	13, 576, 917	18, 873, 000
1896.....	4, 050, 011	213, 575	4, 710, 190	14, 301, 963	23, 275, 739
1897.....	4, 289, 058	259, 930	5, 179, 643	16, 813, 181	26, 541, 812
1898.....	4, 552, 919	241, 092	5, 706, 092	20, 713, 863	31, 213, 966

## MICROSCOPIC INSPECTION OF PORK.

The number of samples of pork examined was 2,802,846, of which 1,927,838 were from carcasses and 875,008 from pieces. The following table shows that better results are obtained by making the inspection in the carcass than when samples from cured meat are examined:

*Comparison of inspections from carcasses and from pieces.*

Samples.	From carcasses.		From pieces.	
	Number.	Per cent.	Number.	Per cent.
Class A.....	1,892,131	98.148	864,042	98.747
Class B.....	15,729	0.816	5,064	0.579
Class C.....	19,978	1.036	5,902	0.674
Total.....	1,927,838	100	875,008	100

The samples of pork submitted for microscopic examination were classified as follows: Class A, samples in which no sign of trichinæ, living or dead, or calcified cysts are found; Class B, samples in which degenerated trichina cysts are found, but in which the body of the parasite is not recognizable; Class C, samples in which recognizable bodies, living or dead, of trichinæ are found. All hogs belonging to the latter class must be condemned and disposed of according to section 20 of the regulations dated June 14, 1895.

The number of certificates issued for microscopically examined pork was 20,158, covering shipments aggregating 373,366 packages, weighing 120,271,659 pounds. Of this quantity, 698 packages, weighing 161,303 pounds, were exported to countries not exacting a certificate of microscopic inspection.

The cost of microscopic inspection was \$171,040.94, an average per specimen examined of 6.1 cents, or an average of 0.142 cent for each pound exported.

This cost per pound for the inspection of pork shows a remarkable reduction from the cost in 1897, when it was 0.256 cent. The cost in 1896 was 0.264 cent; in 1895, 0.2 cent; in 1894, 0.248 cent.

The number of samples examined increased 49 per cent over last year, the expense increased 53 per cent, and the exports increased 176 per cent.

The following table shows the exports of microscopically inspected pork for the fiscal years 1892 to 1898, inclusive:

*Exports of microscopically inspected pork, 1892-1898.*

Fiscal year.	To countries requiring in- spection.	To countries not requiring inspection.	Total.
	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>
1892.....	22,025,698	16,127,176	38,152,874
1893.....	8,059,758	12,617,652	20,677,410
1894.....	18,845,119	16,592,818	35,437,937
1895.....	39,355,230	5,739,368	45,094,598
1896.....	21,497,321	1,403,559	22,900,880
1897.....	42,570,572	1,001,783	43,572,355
1898.....	120,110,356	161,303	120,271,659

## INSPECTION OF VESSELS AND EXPORT ANIMALS.

The following table shows for the fiscal year 1898 the number of inspections of domestic and Canadian cattle and sheep for export, the



number rejected, the number of American cattle tagged, and the number of each exported; also the number of horses, mules, and hogs exported under the supervision of the bureau inspectors. For comparison the statistics for the fiscal year 1897 are included.

*Number of inspections, exportations, etc., of American and Canadian live stock for the fiscal years 1897 and 1898.*

Kind of animal.	American.				Canadian.		
	Number of inspections.	Number rejected.	Number tagged.	Number exported.	Number inspected.	Number rejected.	Number exported.
1898.							
Cattle .....	859, 346	1, 438	418, 694	<i>a</i> 400, 512	19, 397	5	19, 392
Sheep .....	297, 719	180		<i>b</i> 147, 907	29, 497	38	29, 459
Horses .....				29, 570			3, 955
Mules .....				221			
Hogs .....				599			
1897.							
Cattle .....	845, 116	1, 565	410, 379	<i>c</i> 390, 554	13, 136	12	13, 124
Sheep .....	348, 108	189		<i>d</i> 184, 596	23, 289	72	23, 217
Horses .....				22, 623			6, 185
Mules .....				100			
Hogs .....							

*a* Includes 15,920 exported from Chicago by way of Canadian ports.

*b* Includes 5,173 exported from Chicago by way of Canadian ports.

*c* Includes 5,501 shipped from Chicago by way of Montreal.

*d* Includes 2,231 shipped from Chicago by way of Montreal.

The number of certificates issued for exported cattle was 1,616, as against 1,563 for 1897. The number of clearances of vessels carrying live stock was 971, as against 954 in 1897.

The following table gives the number of cattle and sheep inspected at time of landing by the inspectors of the Bureau stationed in Great Britain, with the number and percentage lost in transit:

*Number and percentage of cattle and sheep inspected by Bureau inspectors in Great Britain, and number and percentage lost in transit.*

From—	Cattle.			Sheep.		
	Landed.	Lost in transit.		Landed.	Lost in transit.	
	<i>Number.</i>	<i>Number.</i>	<i>Per cent.</i>	<i>Number.</i>	<i>Number.</i>	<i>Per cent.</i>
United States.....	381, 420	851	0.22	151, 863	1, 224	0.8
Canada .....	17, 164	56	.32	27, 912	394	1.39
Total .....	398, 584	907	.23	179, 775	1, 618	.89

This table shows an increase of 20,898 cattle and a decrease of 9,408 sheep when compared with the report for 1897. The number of head of cattle lost in transit in 1897 was 2,323, or 0.61 per cent, as against 907 head, or 0.23 per cent, for this year. The number of sheep lost in transit in 1897 was 2,676, or 1.39 per cent, as against 1,618, or 0.89 per cent, for this year.

The cost of the inspection of export animals, the supervision of Southern cattle transportation, and the inspection of animals imported from Mexico was \$101,210.55. It is estimated that half of this expense is on account of the export inspection, and, with this as a basis, the cost of inspecting the 548,419 domestic cattle and sheep exported was \$50,605.28, or 9.2 cents per head. The number of inspections made on these animals in this country was 1,157,065, and in Great Britain 533,283, making a total of 1,690,348, the average cost of each inspection being 2.99 cents.



Following is a statement showing the inspection of domestic cattle and sheep for export and the number exported for 1898 and previous years:

*Inspections and exports of domestic cattle and sheep, 1893 to 1898, inclusive.*

Fiscal year.	Cattle.				Sheep.		
	Number of inspections.	Number rejected.	Number tagged.	Number exported.	Number of inspections.	Number rejected.	Number exported.
1898 .....	859, 346	1, 438	418, 694	400, 512	297, 719	180	147, 907
1897 .....	845, 116	1, 565	410, 379	390, 554	348, 108	189	184, 596
1896 .....	815, 882	1, 303	377, 639	365, 345	733, 657	893	422, 603
1895 .....	657, 756	1, 060	324, 339	324, 299	704, 044	179	350, 808
1894 .....	725, 243	184	360, 580	363, 535	135, 780	.....	85, 809
1893 .....	611, 542	292	280, 570	289, 240	.....	.....	.....

#### SOUTHERN CATTLE INSPECTION.

During the quarantine season of 1897 there were received and yarded in the quarantine divisions of the various stock yards 35,317 cars, containing 972,224 cattle; the number of cars cleaned and disinfected was 35,280.

In the noninfected area in Texas 225,096 cattle were inspected for the identification of brands prior to removal to other States for grazing.

#### INSPECTION OF IMPORTED ANIMALS.

The number of animals imported from Mexico and inspected at the ports of entry along the boundary line comprised 177,772 cattle, 64,207 sheep, 104 swine, and 3,053 goats.

There were imported from Canada for slaughter, milk production, grazing, feeding, etc., and not subject to quarantine detention, 79,907 cattle, 184,352 sheep, 374 swine, 2,998 horses, 2 goats, 8 mules, 1 deer, and 6 buffalo, of which 385 cattle, 6,867 sheep, and 217 swine were for breeding purposes.

Below is a statement of the animals imported and quarantined for the prescribed period at the different quarantine stations:

*Animals imported and quarantined at different stations.*

Stations.	Cattle.	Sheep.	Swine.
Littleton, Mass .....	1	.....	.....
Garfield, N. J .....	282	303	10
St. Denis, Md. ....	10	.....	.....
Houlton, Me .....	43	52	1
Eastport, Me. ....	1	.....	.....
Island Pond, Vt .....	13	8	.....
Beecher Falls, Vt .....	89	50	.....
Newport, Vt .....	108	.....	.....
Richford, Vt .....	16	.....	.....
St. Albans, Vt .....	62	96	.....
Rouses Point, N. Y .....	26	.....	.....
Ogdensburg, N. Y .....	144	.....	.....
Cape Vincent, N. Y .....	51	.....	.....
Buffalo, N. Y .....	85	.....	.....
Port Huron, Mich. ....	44	.....	.....
Total .....	975	509	11

There were 2 dogs, 2 deer, 14 goats, and 6 camels at the Garfield Station, making a total of 1,519 animals quarantined.

## TO PREVENT DISSEMINATION OF SHEEP SCAB.

In order to prevent the dissemination of scabies, it was required that sheep intended for feeding or breeding purposes should be dipped before being permitted to leave the stock yards, if they were affected with the disease or had been exposed to contagion. Accordingly, 535,501 sheep were dipped under the supervision of inspectors of this Bureau, various preparations being used for this purpose.

## INSPECTION OF HORSES.

The appropriation for the coming fiscal year carries a provision "that live horses and carcasses and products thereof be entitled to the same inspection as other animals, carcasses, and products thereof" named in the bill. In accordance therewith, regulations are being formulated to govern the work of inspection of horses at abattoirs and of export horses.

## WORK OF THE BIOCHEMIC DIVISION.

During the past year the routine work of the biochemic division in the preparation and shipment of tuberculin and mallein, and of ink for use in stamping meat, has continued steadily and demanded much time from the divisional force. During the winter and spring months tuberculin sufficient to inject about 5,000 animals is sent out each month, while a slightly less quantity is used during the summer. The ink used for stamping the meat continues to give satisfaction; the work is more easily performed, and at the same time considerable money has been saved.

## EXPERIMENTS WITH HOG CHOLERA.

The experiments conducted in the fall of 1897 upon hog cholera and swine plague proved so encouraging that a special appropriation was made by Congress for the purpose of continuing the work during the present year. Owing to the late date of the passage of the bill making this appropriation available, the work has been somewhat delayed; besides it was necessary first to erect barns at the Bureau station, and also to make the necessary purchases of animal and other material, in order to begin the experiments on a sufficiently practical scale. Material to inject about 2,000 animals was sent to the agent of the Bureau in Iowa, where the first test is being made, and his reports already received indicate that from 75 to 80 per cent of the animals treated are saved, while the loss in herds not treated is from 80 to 85 per cent. A full report of this test will find its proper place in the report for 1898.

On account of the time required to secure a supply of this serum, the quantity so far produced has not been as great as was expected, but the results from the use of the comparatively small amount so far distributed have been so gratifying that I deem it desirable to continue the work another year. The production of serum is being steadily increased, and in the course of two or three months a large and regular output will be assured. It remains only to test the remedy upon a sufficient scale and to perfect the method of procedure.

## ADDITIONAL HELP AND ROOM NEEDED.

The proper conduct of these experiments has greatly increased the work of this laboratory. While two assistants have been added to the

force, there is still need of additional help. The increased duties of the laboratory employees make it absolutely necessary that more room be provided if good results are to be obtained. The working space is so crowded that it not only interferes with the rapid conduct of investigations of various kinds, but the excessive weight of desks, tables, cases, etc., on the floor has reached the limit of safety.

#### GERMAN TOYS AND COLORED GOODS POISONOUS.

In connection with an examination of those imports coming from Germany which might be injurious to the health of our people it was shown that toys and colored goods of German origin were poisonous. All of the highly painted German toys may be considered very dangerous to the health of the children of this country if the paint is sucked or chipped off and swallowed through any inadvertence.

#### ESTIMATING NICOTINE IN SHEEP DIPS.

Some examinations of the tobacco dips used in connection with sheep scab indicate that the methods in common use for the determination of nicotine are very misleading. Several experiments have therefore been made to find an easy and satisfactory method for estimating nicotine, and one has been worked out which is both practical and easy of execution. As the tobacco and sulphur dip is one of the most efficacious known, the importance of reliable methods for determining its strength is evident.

#### OBSERVATIONS RELATIVE TO TUBERCULOSIS.

The study of tuberculosis with reference to both men and animals has been continued, and the reports received from a tuberculosis sanitarium where the serum supposed to have curative properties for tuberculosis has been used to some extent indicate that in incipient stages of the disease this material is of considerable value. The results also indicate that further experiments in the line already begun should be continued, as there is a prospect of still more satisfactory results. An easy, convenient, and important method for staining and differentiating tubercle bacilli from other germs which might be confused with them has also been worked out in this laboratory.

A fact which should be emphasized and carefully considered in connection with investigations of this character is the salary paid to the individuals engaged in the study of bacterial products. These men are at all times exposed to the danger of contracting a dangerous disease which may destroy their usefulness throughout life. Under these circumstances salaries commensurate with the high character of the work required and the dangers to which they are exposed should be paid.

#### WORK CONTEMPLATED.

It is contemplated by this division to undertake investigations relative to Texas fever, anthrax, and other diseases of animals.

#### WORK OF THE DIVISION OF PATHOLOGY.

##### DIPPING FOR TEXAS FEVER.

Experiments in the dipping of cattle with a view to destroying the ticks which spread the infection of Texas fever have been continued,



and a substance has been found in which the cattle may be immersed without suffering any serious injury, and which will destroy all the ticks on an animal in a single dipping. This is great progress over last year's experiments, as it was then considered absolutely necessary that cattle should be dipped twice before it would be safe to send them into any territory where cattle are susceptible to Texas fever. The preparation in which the cattle are dipped is a light lubricating oil containing dissolved sulphur. During the summer experiments have been made with a view to ascertaining whether this method of treating cattle could be carried out on a large scale, and for this purpose several train loads of cattle have been dipped at Fort Worth, Tex., and shipped to various places north of the quarantine line.

Two train loads of cattle, consisting of about 500 head, were sent to the northern part of Illinois, where they were placed in pastures with susceptible cattle in order to ascertain whether the dipping had rendered them safe against transmitting the fever. The experiments have proved to be a success, in so far as all the ticks were destroyed on the dipped cattle and that no disease was transmitted by them. About 600 head have also been dipped with perfect success at Mammoth Spring, Ark. Preparations are now being made to adopt the dipping method generally, by means of which the cattle from the infected districts may be shipped north of the quarantine line during the entire year, while they are at present restricted by quarantine during ten months of the year. The importance of this measure can hardly be overestimated, and is considered by prominent stockmen and farmers to be worth millions of dollars, both to the cattle raisers below the quarantine line and to the cattle feeders and grain producers north of the line. Late in the season reports of some injuries to cattle by dipping have been received. These were due partly to the condition of the cattle and partly to the strength of the dipping mixture. Experiments are now in progress which it is believed will enable the Department to remove all difficulties.

Applications have been received to permit the establishment of a large number of dipping stations along the quarantine line, and, owing to the great importance of giving a free market to cattle from the quarantined district, it is only proper that such permits should be granted at central points where the trade is sufficient to warrant such action. This new service will, however, require a considerable increase in the inspection force as it will not be safe to allow cattle to be dipped otherwise than under expert supervision.

#### BLACKLEG INVESTIGATIONS.

The preparation and distribution of blackleg vaccine have been continued throughout the year, and the demand for the vaccine has increased very much. More than 355,000 doses have been distributed, and the reports sent in by the recipients of the vaccine show that the annual losses from blackleg have been reduced from an average of from 10 to 20 per cent to less than 1 per cent. This means a saving of at least \$500,000 worth of cattle, and when all stock owners become familiar with the method and it is adopted throughout all the cattle-raising districts where blackleg prevails it will not alone save millions of dollars, but also tend to eradicate the disease completely.

#### RABIES.

In the course of the year a number of supposed cases of rabies in dogs has been brought to this laboratory for determination. In some



cases the dogs had bitten one or more persons, and it was consequently of great importance to determine whether the animals were suffering from rabies or not. In two cases it was proven that the dogs had been suffering from rabies and the health officer of the District was notified to that effect, and the five people who had been bitten by these dogs received the antirabic treatment of Pasteur.

#### MISCELLANEOUS WORK.

The usual routine work of examining pathological specimens sent to the Bureau from veterinary inspectors and private parties has been continued, and a number of outbreaks of infectious and contagious diseases among the domesticated animals in the vicinity of Washington City has been investigated and the owners advised as to the proper care and treatment of the animals.

#### WORK OF THE DAIRY DIVISION.

The general survey of the condition of the dairy industry of the country at large, which was begun upon the organization of the division, has been continued, together with inquiries as to special branches, such as the milk supply of cities and large towns. Some reports have been printed and others are in hand awaiting revision and publication.

The collection of dairy data in general continues, with a view to its proper arrangement and future use in the form of circulars of information, popular bulletins, and the like. So far as the clerical force of the office permits the material collected has been indexed for ready reference.

The routine work of the office constantly increases, including general correspondence, calls for specific information, and the preparation of manuscript for publication.

During the year there have been published two bulletins and one circular prepared in the division, besides contributions to the Year-book of the Department and to the Annual Report of the Bureau, in all comprising 284 printed pages.

The chief and assistant chief of the division have visited during the year centers of dairy interest in twenty-one States and collected information for future use. In order that the Department might be represented at as many as possible of the annual conventions of State dairy associations and similar organizations, Mr. John H. Monrad, of Illinois, was appointed temporarily as a special agent of the division, and assisted in attending public dairy meetings. In all, twenty-four States were visited, and dairy meetings attended in nineteen of them. In this way officers and employees of the division have been enabled to meet hundreds of the representative men connected with this industry in various parts of the country, and to establish relations which will be of material future benefit to the general work.

#### BUTTER SHIPMENTS TO GREAT BRITAIN.

The experimental exports of butter by this Bureau to Great Britain, which were commenced in the spring of 1897, and partially reported upon a year ago, were continued until the close of the active creamery year of 1897, and resumed at the opening of the season of 1898 upon an enlarged scale. These exports have constituted the principal current work of this division during the fiscal year now reported, and have involved much detail, occupying the greater part of the time and attention of the office force. A complete report of the operations during

the commercial year of 1897 has been prepared and is ready for publication in the annual report of the Bureau for 1898.

Without anticipating the results of the present (or second) season of these trial exports, it can now be confidently stated that much additional information has been obtained in the line desired, and a decided gain is evident in the favorable impression made by butter of the first quality from creameries in the United States upon the best class of the butter trade in London and Manchester.

An exhibit in the nature of an object lesson, illustrating the component parts of the various products and by-products of the dairy, has been recently prepared, and is included in the display of the Bureau of Animal Industry at the Trans-Mississippi and International Exposition, at Omaha, Nebr.

#### PROPOSED LINES OF WORK FOR 1898-99.

It is proposed that the work of the dairy division for the fiscal year 1898-99 shall include continuation of the different lines of effort reported as receiving attention during the years previous and still incomplete.

As already indicated, a large part of the energies of the division will be required for the experimental exports of butter, to which some trials with cheese and eggs and perhaps dressed poultry may be added. Material extension of these trial exports, in frequency, quantity, and variety of new markets, is made possible by the provisions incorporated in the current appropriation bill for this Department, in accordance with last year's recommendations, and by which the net proceeds of the sales of the products purchased for experimental export are available for a continuation or repetition of such exports.

It seems expedient to continue the weekly experimental exports of butter in progress during the summer of 1898 through the autumn and the following winter, in order to complete the trial of a full year's offerings in the market of Manchester, if not also in London.

Meanwhile it is proposed, by correspondence and the services of special agents, some voluntary, to investigate the prospects of trade in the dairy products of the United States on the islands of the Pacific, Japan, and China, and also in the West Indies and South America. It is not unlikely that such inquiries will render it desirable to make experimental exports in those directions before the close of the present fiscal year and during the next one. An appropriation similar to the one now available is therefore to be desired for the new fiscal year.

It is expected to prepare, in part, during the current year for the proper presentation of the dairy interests and products of the United States at the coming Paris Exposition.

#### RECOMMENDATIONS.

The following recommendations are respectfully made for the fiscal year ending June 30, 1900:

(1) A sufficient appropriation for extending and developing foreign markets for dairy products of the United States, under provisions similar to those applying to the funds now available for this purpose. The reasons for this have been already stated.

(2) That legislation be sought by which the existing system of Government inspection and certification of meats and meat products for export may be extended (with suitable modifications) to include butter, cheese, and condensed milk for export from the United States.



Reasons for such new legislation were given a year ago, as follows:

The combined efforts of the Government and commercial enterprise may succeed in the early establishment of a high reputation for American butter in desirable foreign markets; but as soon as accomplished, this becomes liable to be destroyed by the cupidity of those who, trading on this reputation, flood the same market with butter of low grade, yet still entitled to export and sale as "produce of the United States." This will disgust merchants and consumers alike and reverse the reputation of our butter, just as the fine market of Great Britain for our cheese was recently ruined by the quantity of low grade and counterfeit cheese which was exported without being marked to show its true character. The remedy seems to lie in extending and adapting the provisions of law regarding the inspection of meats exported from this country so as to make them apply to butter and cheese. The brands of "pure butter" and "full-cream cheese" should then be affixed by United States inspectors to such products only as are of a fixed minimum standard of quality. Such precautions, duly legalized and properly executed, would place the good butter and cheese of this country in foreign markets under the identifying label and guaranty of the United States Government, leaving similar merchandise of lower grade to find a place for itself upon its own merits. It should be borne in mind that dairy products of Denmark and Canada, which are the chief competitors of the United States in the markets of Great Britain, bear the inspection certificate and guaranty of quality from their respective Governments, and thereby maintain a great commercial advantage.

Such a system of inspection is much desired by the most reliable exporters, and the proposition has met with decided approval wherever considered by fair-minded interested parties.

#### ERADICATION OF SHEEP SCAB.

In the report for 1897 it was noted that experiments were being made by the Bureau with different sheep dips for the purpose of determining which is the most efficacious and at the same time least injurious to the animal. These experiments were concluded, and the results appear in an exhaustive article entitled "Sheep scab: Its nature and treatment," in the annual report of the Bureau of Animal Industry for 1897, mentioned elsewhere in this report. In addition to the character of dips, this article gives a full history and description of the mite causing common sheep scab, and also descriptions of the various kinds of apparatus used in dipping.

Inspectors of the Bureau have been zealous in enforcing Order No. 5, relative to the transportation of sheep having scab, which is as follows:

#### TRANSPORTATION OF SHEEP AFFECTED WITH SCABIES.

U. S. DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
*Washington, D. C., June 18, 1897.*

*To the managers and agents of railroad and transportation companies of the United States, stockmen, and others:*

In accordance with section 7 of the act of Congress approved May 29, 1884, entitled "An act for the establishment of a Bureau of Animal Industry, to prevent the exportation of diseased cattle, and to provide means for the suppression and extirpation of pleuro-pneumonia and other contagious diseases among domestic animals," and of the act of Congress approved April 23, 1897, making appropriation for the Department of Agriculture for the fiscal year ending June 30, 1898, you are hereby notified that the contagious disease known as sheep scab, or scabies of sheep, exists among sheep in the United States, and that it is a violation of the law to receive for transportation or transport any stock affected with said disease from one State or Territory to another, or from any State into the District of Columbia, or from the District into any State. It is also a violation of the law for any person, company, or corporation to deliver for such transportation to any railroad company, or master or owner of any boat or vessel, any sheep, knowing them to be affected with said disease; and it is also unlawful for any person, company, or corporation to drive on foot or transport in private conveyance from one State or Territory to another, or from any State into the District of Columbia, or from the District into any State, any sheep, knowing them to be affected with said disease.

All transportation companies and individuals shipping, driving, or transporting sheep are requested to cooperate with this Department in enforcing the law for preventing the spread of the said disease. Inspectors of the Bureau of Animal Industry are directed to report all violations of this act which come to their attention.

In order more effectually to accomplish the object of the above-mentioned laws, it is hereby ordered that any railroad cars, boats, or other vehicles which have been used in the transportation of sheep affected with said disease shall be immediately cleaned and disinfected by the owners or by the transportation companies in whose possession said cars or vehicles may be at the time the animals are unloaded by first removing all litter and manure which they contain and then saturating the woodwork with a 5 per cent solution of crude carbolic acid in water. Inspectors of the Bureau of Animal Industry are directed to see that this order is carried into effect.

JAMES WILSON, *Secretary*.

The information which is now available for the public is sufficient to enable anyone to cure this disease with a minimum of trouble and expense. There will hereafter be no excuse for those who claim that they are unacquainted with the nature of the disease or with the method of treatment.

#### AGRICULTURAL ATTACHÉ AT BERLIN.

The tendency has been growing in Germany to assume that all diseased or unwholesome meat is of American origin. The Department of Agriculture having certified, through the inspection of the Bureau of Animal Industry, that all pork shipped to Germany is free from trichinæ and produced from healthy animals, the time had arrived when it became necessary to learn the truth in the matter, in order, first, to correct the error, if it existed, in the system of microscopic inspection conducted by the Bureau, or, second, to deny authoritatively the charge. Accordingly, Dr. Ch. Wardell Stiles, zoologist of this Bureau, was commissioned as agricultural attaché of the American embassy at Berlin in the latter part of March, with instructions to trace to a conclusion every such rumor or charge of German origin. The account of his work will necessarily appear in the report for the fiscal year 1899, and in that report he will be able to show that in many of the cases there is no trichinæ infection and that in others where it has existed it was not of American origin or had not been certified as microscopically inspected.

It would be rash to assert that there could have been no oversight in the inspection of 120,271,659 pounds of pork, which was the amount inspected last year, but it is certain that such errors are reduced to the minimum; and the purpose of sending Dr. Stiles abroad on this mission is to both reassure the American people and to convince the German people, so far as possible, that the most painstaking efforts are made by the Bureau to inspect all pork exported to Germany, and that our microscopic inspection is as rigid and safe as that made by any country.

#### PUBLICATION WORK.

A list of publications of the Bureau appears below. On March 1 a clerk was appointed to have special charge of the editorial work of the Bureau. This character of assistance has been needed for some time, as the time of the chief of the Bureau and divisional chiefs was wholly consumed in executive work or pressing investigations. One of the first duties of this assistant was the preparation of the annual report of the Bureau for the fiscal year 1897. For ten years previous to 1897 the reports of the Bureau have been issued biennially, owing principally to lack of time to compile them, but it is proposed hereafter to



issue one each year, as the law authorizes. The report for 1897 was late in reaching the printer, but it will soon be issued. Its principal contents are the usual report of the chief of the Bureau to the Secretary; a review of the contagious diseases of animals in Europe; an exhaustive article on the nature and treatment of sheep scab; the State and Territorial laws relative to contagious diseases of animals not published heretofore in the reports of the Bureau, and a complete collection of the dairy laws; also the orders issued by the Bureau since its organization.

The work on the annual report of the Bureau for 1898 is already well in hand.

An index is being made, which will embrace not only all of the publications of the Bureau but all documents of the Department which relate in any way to animal industry. This is being prepared as time can be spared from editorial work, but it will probably be ready for publication before the end of the fiscal year 1899.

#### NEEDS OF THE BUREAU.

In the report for last year attention was directed to the importance of an experiment station, to be the property of the Department, and also of greater laboratory facilities. The conditions have not been changed for the better, while the demand becomes more imperative. If these matters could receive the favorable action of Congress, the work of this Bureau would be greatly facilitated and the interests of public economy be subserved at the same time.

#### PUBLICATIONS.

There have been published during the fiscal year the following reports, bulletins, pamphlets, circulars, and map:

- Report of the Chief of the Bureau of Animal Industry for 1897.
- The Country Slaughterhouse as a Factor in the Spread of Diseases. (Reprint from Yearbook.)
- Care of Dairy Utensils. (Reprint from Yearbook.)
- Some Modern Disinfectants. (Reprint from Yearbook.)
- Bureau of Animal Industry. (Reprint from Yearbook.)
- Utilization of By-Products of the Dairy. (Reprint from Yearbook.)
- Standard Varieties of Chickens. (Reprint Farmers' Bulletin No. 51.)
- The Dairy Herd: Its Formation and Management. (Reprint Farmers' Bulletin No. 55.)
- Facts About Milk. (Reprint Farmers' Bulletin No. 42.)
- Hog Cholera and Swine Plague. (Reprint Farmers' Bulletin No. 24.)
- Care of Milk on the Farm. (Reprint Farmers' Bulletin No. 63.)
- Ducks and Geese: Standard Breeds and Management. (Reprint Farmers' Bulletin No. 64.)
- Butter Making on the Farm. (Reprint Farmers' Bulletin No. 57.)
- Creameries or Butter Factories. (Reprint from Twelfth and Thirteenth Annual Reports of the Bureau of Animal Industry.)
- Dairy Schools. (Reprint Bulletin No. 17.)
- Directions for the Pasteurization of Milk. (Revised edition, Circular No. 1.)
- Some Essentials in Beef Production. (Farmers' Bulletin No. 71.)
- Circular No. 20. Preventive Vaccination against Blackleg.
- Circular No. 21. Directions for the use of Blackleg Vaccine.
- Circular No. 22. List of Officials and Associations connected with the Dairy Interests in the United States and Canada for 1898.
- Circular No. 23. Blackleg: Its Nature, Cause, and Prevention.
- Bulletin No. 18. The Dairy Industry in Missouri and Kansas.
- Bulletin No. 19. The Inspection of Meats for Animal Parasites.
- Bulletin No. 20. The Milk Supply of Boston and other New England Cities.
- Map showing the boundary line of the district infected with splenic, or southern, fever of cattle.

The following statement shows the amount of the disbursements made for the various branches of the work for the fiscal year:

*Statement of disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1898.\**

	Salaries.	Traveling expenses.	Miscellaneous.	Total.
Meat inspection .....	\$381,408.44	\$716.34	\$25,380.05	\$407,504.83
Microscopic inspection.....	161,554.00	262.47	10,159.38	171,975.85
Export cattle inspection.....	59,076.81	715.66	3,665.34	63,457.81
Southern cattle inspection .....	31,371.94	5,701.36	544.10	37,617.40
Import cattle inspection.....	4,243.00	1,456.90	21.30	5,721.20
Washington and miscellaneous.....	2,185.00	1,614.23	2,335.98	6,135.21
Scientific investigations.....	3,549.26	2,442.69	9,749.74	15,741.69
Dairy division.....	1,133.72	1,477.61	7,311.30	9,922.63
Collecting information.....	1,171.64	625.04	.....	1,796.68
Eradication of hog cholera and swine plague .....	3,196.23	1,900.88	6,634.75	11,731.86
Hog cholera serum experiments .....	973.75	.....	4,417.93	5,391.68
Total.....	649,863.79	16,913.18	70,219.87	736,996.84

\* Including vouchers paid to October 1, 1898.

† Paid from the appropriation for fiscal year 1899, made available March 22, 1898, \$64,446.66.

Accompanying this statement will be found a list of the names of the persons employed and an itemized statement of expenditures from the amount appropriated.

*List of persons employed and disbursements made during the fiscal year ended June 30, 1898.*

STATUTORY SALARIES, BUREAU OF ANIMAL INDUSTRY.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
D. E. Salmon	Chief of Bureau	July 1, 1896			\$4,000				
G. M. Brumbaugh	Assistant Chief	do			2,500				
Sylvester R. Burch	Chief Clerk	Jan. 1, 1897			2,000				
A. D. Melvin	Chief inspection division	July 1, 1896			2,500				
E. B. Jones	Assistant chief inspection division	Aug. 16, 1895			1,800				
H. E. Alvord	Chief dairy division	July 1, 1895			2,500				
R. A. Pearson	Assistant chief dairy division	Sept. 1, 1895			1,800				
V. A. Norgaard	Chief pathological division	Nov. 1, 1896			2,250				
Louise Taylor	Laborer	Apr. 14, 1897		a \$60.00					
Do	Assistant in pathological division	Oct. 16, 1897			1,200				
Thomas B. Reamy	do	July 1, 1893			840				
E. A. de Schweinitz	Chief biochemic division	July 1, 1895			2,250				
Marion Dorset	Assistant biochemic division	Aug. 1, 1894			1,200				
James A. Emery	do	Aug. 1, 1895			1,200				
W. S. Stauffer	do	July 1, 1896			720				
A. M. Farrington	Chief miscellaneous division	Aug. 16, 1895			2,000				
Ch. Wardell Stiles	Zoologist	July 1, 1896			2,000				
E. C. Schroeder	Superintendent experiment station	July 1, 1894			1,800				
Charles F. Dawson	Veterinary inspector	Nov. 1, 1896			1,800				
Albert Hassall	do	July 1, 1892			1,400				
W. E. Cotton	Assistant veterinary experiment station	Sept. 1, 1895			1,000				
H. H. Gordes	Clerk	Apr. 1, 1897			1,800				
Andrew J. Olin	do	do			1,000				
Mary Sullivan	do	do			1,400				
Mary T. Dent	do	do			1,200				
Joseph Abel	do	Mar. 1, 1893			1,200				
I. C. I. Evans	do	July 1, 1896			1,200				
M. H. Mahon	do	Nov. 1, 1896			1,200				
Mary G. Marshall	do	Apr. 1, 1897			1,200				
M. N. Barnard	do	July 1, 1897			1,200				
Irving Prickey	do	July 1, 1890			1,000				
Chas. D. Geddes	do	Jan. 1, 1895			1,000				
Benj. G. Wasdon	do	Sept. 30, 1896			1,000				
	do	Jan. 4, 1897			1,000				

a Per month.



*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

STATUTORY SALARIES, BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
WASHINGTON, D. C.—cont'd.									
James M. Pickens.....	Clerk.....	Jan. 9, 1897	.....	.....	\$1,000	.....	.....	.....	.....
F. T. Bickford.....	do.....	July 1, 1897	July 5, 1897	.....	1,000	.....	.....	.....	.....
McP. Reynolds.....	do.....	Sept. 12, 1897	.....	.....	1,000	.....	.....	.....	.....
Walter D. Dunlap.....	do.....	Nov. 16, 1897	.....	.....	1,000	.....	.....	.....	.....
Nellie F. Haughton.....	do.....	Dec. 9, 1897	.....	.....	840	.....	.....	.....	.....
Kepler Hoyt.....	Special editorial compiler	July 1, 1897	.....	.....	1,000	.....	.....	.....	.....
Mary E. Fagan.....	Stenographer and typewriter	Sept. 21, 1897	Sept. 21, 1897	.....	1,000	.....	.....	.....	.....
H. S. Mott.....	Fireman.....	Mar. 15, 1895	.....	.....	720	.....	.....	.....	.....
George L. Hall.....	do.....	Jan. 1, 1896	.....	.....	720	.....	.....	.....	.....
Wm. H. Moore.....	Messenger.....	Oct. 23, 1896	.....	.....	720	.....	.....	.....	.....
Wm. P. Stedman.....	do.....	July 1, 1896	.....	.....	720	.....	.....	.....	.....
Edw. J. Maloy.....	do.....	Nov. 1, 1896	.....	.....	720	.....	.....	.....	.....
Asa H. Kite.....	do.....	July 1, 1896	.....	.....	720	.....	.....	.....	.....
Lena Bradford.....	Skilled laborer.....	.....do.....	.....	.....	660	.....	.....	.....	.....
Geo. W. Brett.....	do.....	Sept. 1, 1896	.....	.....	660	.....	.....	.....	.....
Geo. W. Scheerer.....	Laborer.....	July 1, 1896	.....	.....	660	.....	.....	.....	.....
Do.....	Skilled laborer.....	Jan. 16, 1898	.....	.....	660	.....	.....	.....	.....
Wm. S. D. Haines.....	Artist.....	July 1, 1896	.....	.....	1,400	.....	.....	.....	.....
Jared M. Snyder.....	Laborer.....	Mar. 15, 1897	Sept. 16, 1897	.....	720	.....	.....	.....	.....
Wm. C. Shinnoneck.....	Messenger.....	Apr. 3, 1897	.....	.....	720	.....	.....	.....	.....
Emily J. Wilde.....	Laborer.....	July 1, 1897	.....	.....	720	.....	.....	.....	.....
Taylor Trice.....	do.....	Sept. 10, 1894	.....	.....	660	.....	.....	.....	.....
John Richards.....	do.....	July 1, 1896	.....	.....	500	.....	.....	.....	.....
Jennie Jones.....	do.....	.....do.....	.....	.....	400	.....	.....	.....	.....
Kate McCarty.....	Charwoman.....	.....do.....	Sept. 22, 1897	.....	240	.....	.....	.....	.....
Catherine Baltimore.....	do.....	Aug. 18, 1898	.....	.....	480	.....	.....	.....	.....
Frank Snyder.....	Laborer.....	Apr. 26, 1897	.....	.....	720	.....	.....	.....	.....
Louise Douglas.....	Charwoman.....	Oct. 1, 1897	.....	.....	480	.....	.....	.....	.....
Sarah L. Garner.....	do.....	May 10, 1898	.....	.....	240	.....	.....	.....	.....

SALARIES AND EXPENSES.

WASHINGTON, D. C.								
Geo. F. Thompson.....	Clerk.....	Mar. 1, 1898	.....	.....	\$1,800	.....	\$605.00	.....
C. O. Goodpasture.....	do.....	Mar. 21, 1898	.....	.....	1,000	.....	280.56	.....





*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
WASHINGTON, D. C.—cont'd.									
Chicago, Indianapolis and Louisville Rwy. Co.						Transportation, A. D. Melvin.		\$5.00	
People's Dispatch Co.						Freight.			\$5.90
Harry C. Jones						Engraving ducks and geese			66.57
Walter Wellman						Writing report on export horses.			500.00
Library Bureau (Boston)						Index cards and guides.			8.25
New York Central and Hudson River R. R. Co.						Transportation, Salmon, Melvin, et al.		33.60	
Capital Traction Co.						Street-car tickets			20.00
Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.						Transportation, Melvin and Evans.		17.25	
Louisville and Nashville R. R. Co.								17.00	
Mrs. M. A. S. Colman						Transportation, Geddes, Melvin, and Burch.			7.74
Wyckoff, Seamans & Benedict.						Typewriting, and rent of machine.			2.00
New York, New Haven and Hartford R. R. Co.						Repairing typewriter.			
W. B. Moses & Sons.						Transportation, Melvin and Brumbaugh.		24.50	
Western Union Telegraph Co.						Chairs, desk, and bookcase.			63.95
Wm. D. Owen						Telegrams			205.39
Jno. L. Crawford						Certified copy of law of Indiana.			1.10
S. P. Johnson						Certified copy of law of Florida.			1.25
Georgetown and Tennessean Rwy. Co.						Typewriters, tables, and covers.			173.25
J. Bell Bigger, clerk house of delegates, etc., of Virginia.						Street-car tickets			10.00
John C. Parker						Certificate of act of Virginia, domestic animals.			3.5
Geo. H. Wallace						Stationery			73.12
Will D. Jenkins, secretary of State.						Copy of law of New Mexico			4.00
						Copy of law of State of Washington.			50.00

Chas. H. Akers.....	Copy of law of Arizona.....	26.00	
Easton & Rupp.....	Scrapbooks and envelopes.....	12.34	
Edw. F. Eltinger.....	Drayage.....	.39	
Terre Haute and Indianapolis R. R. Co.	Transportation, D. E. Salmon.....	20.25	
The Missouri Pacific Rwy. Co.	Transportation, Salmon, Burch, et al.	58.84	
M. Du Perow.....	Electric fans.....		
Josephine L. Camp.....	Copying laws of Connecticut.....	24.30	
The Chesapeake and Ohio Rwy. Co.	Transportation, Burch, Melvin, et al.	1.25	
Louisville, Evansville and St. Louis Consolidated R. R.	do.....	42.00	
Geo. A. Sheehan.....	Lumber for screens.....	16.00	
L. H. Hopkins.....	Spring binges.....		
T. S. Palmer.....	Photographs of ostriches.....	6.92	
Southern California Rwy. Co.	Transportation, T. S. Palmer.....	2.00	
The Geo. W. Knox Express Co.	Expressage.....	4.60	
Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do.....	.25	
The Atchison, Topeka and Santa Fe Rwy. Co.	Transportation, Burch, Melvin, et al.	15.00	
Lake Shore and Michigan Southern Rwy. Co.	do.....	23.07	
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do.....	30.00	
Allegheny Valley Rwy. Co.	do.....	15.80	
Chicago, Milwaukee and St. Paul Rwy.	do.....	13.80	
Southern Pacific Co.	do.....	11.96	
Total.....	Transportation, T. S. Palmer.....	11.35	
SCIENTIFIC INVESTIGATIONS.	\$2,185.00	1,614.23	2,335.98
Chas. M. Day.....	Assistant inspector.....		
Robt. H. Treacy.....	do.....	763.06	436.29
Wm. C. Shimoncock.....	Messenger.....	65.67	
F. K. Cameron.....	Expert assistant.....	339.00	
Geo. M. Ruffin.....	Laborer.....	75.00	
Chas. D. Harvey.....	do.....	50.00	
Ch. Wardell Stiles.....	Services as plumber.....	35.00	
Victor A. Norgaard.....	Traveling expenses.....		720.92
E. A. de Schweinitz.....	do.....		403.25
Geo. C. Paville.....	do.....		271.11
	do.....		26.25

a Per month.



*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per item.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
SCIENTIFIC INVESTIGATIONS—continued.									
Chas. F. Dawson.						Traveling expenses.....		\$13.90	
Louise Taylor.						do.....		1.25	
Capital Traction Co.						Street-car tickets.....			\$8.00
W. M. Galt & Co						Feed, oats, bran, and hay.....			28.00
E. M. Willis						Ice.....			185.35
International Navigation Co						Transportation, Ch. W. Stiles.		157.75	
United States Electric Lighting Co.						Electric current.....			49.53
Mackall Bros. & Flemer						Flasks, drugs, and chemicals.....			171.34
James Bellwood						Boarding cattle.....			67.50
G. E. Stechert.						Scientific books.....			35.05
J. Harrison Johnson						Rent of laboratory.....			1,200.00
Z. D. Gilman						Syringes, thermometers, and bulbs.....			37.73
Rudolph West & Co.....						Label holders and casters.....			7.73
Bausch & Lomb Optical Co.						Boxes, syringes, and bottles.....			250.80
Lemcke & Buechner.						Scientific books.....			5.46
Pennsylvania R. R. Co						Transportation, Nörgaard and Stiles.		121.25	
The Kuy-Scheerer Co						Syringes and needles.....			16.78
Wyckoff, Seamans & Benedict.						Repairing typewriters.....			13.10
Thos. Somerville & Sons.....						Repairing steam pump.....			23.80
Chas. R. Edmonston						Filter tubes, buckets, and pots.....			34.53
L. H. Hopkins						Drug mill.....			1.50
The Missouri Pacific Rwy. Co.						Transportation, Nörgaard and Day.		51.16	
The Baltimore and Ohio Southwestern Rwy. Co.						do.....		55.70	
E. Morrison Paper Co						Manila cardboard.....			15.00
Emier & Arndt						Bottles and chemicals.....			12.70
Joseph Mathy.....						Sheet lead for table cover.....			7.90
Barber & Ross						Drug and bone mill.....			33.35
V. A. Nörgaard						Guinea pigs, meat, eggs, etc.....			7.96
Whitall, Tatam & Co.						Homeopathic vials.....			15.05
Ch. Wardell Stiles						Zenoleum, thermometers, and drugs.....			24.53



Ernest Betz.....	Services and materials.....	50.85
Jno. T. Milliken & Co.....	Hog-cholera antitoxin.....	7.50
W. H. Lowdermilk & Co.....	Scientific books.....	21.85
Henry H. Brown.....	Photographic materials and photographs.....	38.37
Edw. S. Schmid.....	Guinea pigs.....	38.50
Library Bureau.....	Guides and cards.....	81.44
Chicago and Northwestern Rwy. Co.....	Transportation, V. Nörgaard.....	12.50
Fremont, Elkhorn and Mis- sour Valley R. R. Co.....	Transportation, C. M. Day.....	4.94
H. C. Underwood Manufac- turing Co.....	Boxes.....	19.21
Thomas Binnix.....	Covering table with sheet lead. Dawson.....	8.50
Southern Rwy. Co.....	Transportation, Nörgaard and Transportation, C. M. Day.....	90.65
Chicago, Rock Island and Pacific Rwy. Co.....	Transportation, C. M. Day.....	11.40
Boston and Albany R. R. Co.....	Transportation, Ch. W. Siles.....	4.98
Geo. A. Sheehan.....	Lumber for tables.....	6.00
Fred. B. Nichols & Co.....	Planetary pencil sharpener.....	2.75
W. B. Moses & Sons.....	Refrigerator, desk, chairs.....	90.20
Jas. T. Dougherty.....	Guinea pigs.....	7.50
S. S. Shedd & Bro.....	Covering tables with lead.....	13.50
Waters-Pierce Oil Co.....	Paraffin, zone, and dynamo oil.....	105.00
The St. Joseph and Grand Island Rwy. Co.....	Transportation, C. M. Day.....	.86
Terre Haute and Indianap- olis R. R. Co.....	Transportation, V. Nörgaard.....	20.25
W. A. Taggart.....	Boarding horse.....	30.42
Geo. E. Howard.....	Drawings of sheep.....	90.00
E. A. de Schweinitz.....	Velvets and foy's for experi- ment.....	15.93
Wm. A. Curran.....	Guinea pigs.....	1.70
San Antonio and Aransas Pass Rwy.....	Transportation, V. Nörgaard.....	4.45
The Texas and Pacific Rwy. Co.....	do.....	21.20
Rufus P. Clarke.....	Linen handkerchiefs for micro- scopes.....	1.50
G. G. Cornwell & Son.....	Demijohns.....	2.00
M. Du Perow.....	Electric fans.....	24.30
John A. Power & Co.....	Tapping water main, and ma- terial.....	55.50
Washington Gaslight Co.....	Gas pipe and laying same.....	25.00
Photocromo Engraving Co.....	Lincenravings, "sleep scab".....	18.05
Burlington and Missouri River R. R. in Nebraska. International and Great Northern R. R. Co.....	Transportation, C. M. Day.....	1.10
Mrs. M. H. King.....	Transportation, V. Nörgaard.....	8.35
	Lumber, livery, and feed.....	122.08

*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Miscellaneous.
SCIENTIFIC INVESTIGATIONS—continued.								
Onahia and Republican Valley Rwy. Co.						Transportation, C. M. Day		
The Public Printer						1,000 copies Bulletin No. 19		\$3. 18
Total							\$3,549. 26	9,749. 74
EXPERIMENT STATION. <i>a</i>								
Max F. Foerster	Architect.	June 9, 1897			\$1,721.50	Services	430. 37	
Geo. W. Brett	Skilled laborer.	Sept. 1, 1896			660.00	do	302. 53	
Taylor Trice	Laborer	Sept. 16, 1894			660.00	do	176. 13	
T. C. Blackiston	do	Jan. 15, 1898			660.00	do	248. 30	
F. H. Phillips	do	Oct. 23, 1897			660.00	do	25. 00	
W. S. Orton	do	Jan. 15, 1898	Apr. 16, 1898		660.00	do	150. 00	
Robt. W. Walters	do	Mar. 31, 1898				do	93. 87	
Herbert Henderson	do	Mar. 24, 1898				do	93. 87	
Wm. Faden	do	do	June 30, 1898			do	75. 00	
David Turner	do	Apr. 16, 1898				do	7. 00	
Chas. D. Harvey	do	Apr. 1, 1898				do	35. 81	
Jos. Lindner	do	May 26, 1898				do	60. 00	
D. Suddath	do	Sept. 22, 1897	Oct. 21, 1897			do	229. 12	
John Richards	do	June 27, 1896				Corn, oats, and rock salt.		488. 15
W. M. Galt & Co.						Meal, bran, hay, and salt.		2,017. 38
Damenhoyer & Co.						Rent, experiment station,		2,200. 00
H. J. Ruppert						Reming.		
E. C. Schroeder						Horseshoeing and towels		27. 81
H. C. Sisson						Filling and grading for barns.		348. 00
H. Bradley Davidson						Rent, experiment station,		550. 00
						Bethesda.		
Mackall Bros. & Flemer						Beakers, pipettes, and drugs.		42. 40
J. H. Hobson						Labor and material, boiler house and tank.		118. 50
W. G. Offutt						Painting water tank.		12. 00
Sam'l. Lloyd						Furnishing and laying pipes, elevating tank.		67. 12
H. K. Mulford Co.						Guinea pigs.		12. 00
Max F. Foerster						Street-car fares.		24. 20

					Telegraph service.		
The Chesapeake and Potomac Telegraph Co.					Cattle, for experiment		135.02
David Piffaring					Prepared feed		54.00
Edw. S. Schmidt					Cabbage, hay, and straw		12.36
A. Wilson & Bro.					Expressage		236.75
The Geo. W. Knox Express Co.							224.00
Z. D. Gilman					Thermometers and scissors		25.46
Rudolph, West & Co.					Hardware		177.28
Geo. F. Muth & Co.					Lamps, lanterns, oil, etc.		78.16
The Manhattan Supply Co.					Regulator clock		10.23
W. B. Moses & Sons					Window shades		14.25
Melville Lindsay					Rubber hose		28.00
Barber & Ross					Oil stove		8.00
F. P. May & Co.					Hardware		4.48
M. Du Perow					Electric bells and attachments		2.00
N. Van Nostrand					Stone for repairing roads		19.00
Johnson Bros.					Furnace coal		101.00
The Kuy-Scheerer Co.					Antifoxin, syringes, and supplies		19.60
Allegheny Co.					Coal		24.25
J. T. Walker Sons					Lime		3.75
Chas. F. Hale					Fire extinguishers		75.00
Hugh Kelly					Linseed oil, paints, etc.		29.69
M. G. Copeland & Co.					United States ensign		3.70
Francis Miller					Oil finish		6.25
C. Becker					Carriage robe, grease, and oil		5.05
McDermott Carriage Co.					Painting and repairing carriage		19.00
S. S. Daish & Son					Corn, bran, and meal		135.20
P. T. Moran					Rock salt		9.00
Fred A. Schmidt					75-foot tapeline		2.47
DAIRY DIVISION.							
John H. Monrad				Dec. 11, 1897	Thermometers	570.39	
Newton B. Ashby				Mar. 16, 1898	Analyzing butter	533.33	
Wm. H. Healy					Traveling expenses	30.00	
H. E. Alvord					do	825.67	
E. A. Pearson					do	173.85	
W. H. Wray					do	79.06	
International Navigation Co.					Freight on butter		251.58
The J. F. W. Dorman Co.					Stencils, letters, and figures		15.40
Bentley & Son					Butter		49.98
The Jensen Creamery Co.					do		82.36
Geo. E. Smith					do		59.67
Waite & Parkhurst					Boxes for butter		6.40
Whitall, Tatam & Co.					Sample bottles and jars		12.79
W. H. Veerhoff					Moldings for charts		16.80
F. W. Edmunds					Butter		113.19

<sup>a</sup> Included in "Scientific investigations."<sup>b</sup> Per month.



*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services rendered.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
DAIRY DIVISION—continued.									
W. E. Spurr						Butter			\$89.28
W. H. Wray						Analysis, and freight on butter			98.63
Hilton & Nimmo						Butter			68.87
A. R. Hoard						do			121.45
Collins Jute Co.						Burlap covers for butter			9.00
Vernon Creamery Co.						Butter			79.92
Iowa Agricultural College						do			1,187.92
The Springfield Envelope Co.						Manila envelopes			56.86
L. H. Hopkins						Screens and wire gauze			1.40
J. R. Bucklew						R. P. wove letter paper			16.80
Star Lake Cooperative Dairy Association.						Butter			161.09
The Hawley Box and Lum-ber Co.						Cubical butter boxes			5.60
Lake Shore and Michigan Southern Rwy.						Transportation, H. E. Alvord		\$11.55	
W. H. Rose						Expressage on butter			17.95
Schreiber & Sons						Photographs of cattle			4.00
Waco and Northwestern R. R.						Transportation, H. E. Alvord		5.60	
Big Stone City Creamery Co.						Butter			154.14
Pennsylvania R. R. Co.						Transportation and freight		23.50	83.20
The Missouri Pacific Rwy. Co.						Transportation, H. E. Alvord		14.80	
St. Louis and San Francisco R. R. Co.						do		18.80	
Norfolk and Western Rwy. Co.						do		7.80	
Southern Rwy. Co.						do		13.75	
Terre Haute and Indianapolis R. R. Co.						do		30.00	
Creamery Packing Co.						Australian butter boxes			105.76
Thomas C. Walters						Imported butter			80.68
Louisville and Nashville R. R. Co.						Transportation, H. E. Alvord		18.00	
E. Morrison Paper Co.						Paper clips			1.50
Geo. E. Howard						Illustrating bulletins for Dairy Division.			160.00

Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation, R. A. Pearson.	16.00	.....
Baltimore and Ohio R. R. Co.	do	16.00	.....
The Mosler Safe Co.	Safe	15.00	.....
Wyckoff, Seamans & Benedict.	Repairing typewriters	.60	.....
M. Du Perow	Electric fans	24.30	.....
E. B. Woodward	Butter	677.40	.....
Schwarz & Sulzberger Co	Butter and freight	124.42	.....
Boardman Bros.	Eggs	93.60	.....
De Witt Goodrich	Butter	605.20	.....
Morrison & Manville Egg Crate Co.	Egg crates	9.00	.....
White Star Line	Freight on butter	44.27	.....
A. Jensen	Butter	430.20	.....
Union Creamery Co	do	333.96	.....
W. A. Fate	Brackets for electric fans	.48	.....
The Geo. W. Knox Express Co.	Drayage and moving safe	4.01	.....
Chas. R. Edmonston	Pasteur filter	12.75	.....
Newton B. Ashby	Cables, maps, stationery	26.10	.....
John C. Parker	Shoe tags	3.40	.....
Chicago and Northwestern Rwy. Co.	Transportation, H. E. Alvord.	3.20	.....
The Atchison, Topeka and Santa Fe Rwy. Co.	Freight on dairy machinery	7.96	.....
Burlington, Cedar Rapids and Northwestern Rwy. Co.	Transportation, H. E. Alvord.	4.64	.....
Hovey, Clark & Co.	Butter	100.96	.....
J. G. Turnbull	do	228.19	.....
Merchants' Refrigerating Co	Freight and storage, butter	40.00	.....
Chicago, Milwaukee and St. Paul Rwy.	Transportation, H. E. Alvord.	12.80	.....
The Public Printer	1,500 copies Dairy Test Record, 31,000 copies Farmers' Bulletins, 6,000 copies Creameries or Butter Factories.	1,357.28	.....
Total	\$1,133.72	1,477.61	7,311.30
TUBERCULIN MANUFACTURE. <i>a</i>			
Mackall Bros. & Flemer	Vials, corks, tubes, and filters.	.....	129.87
Washington Gaslight Co.	Gas	.....	219.80
E. A. de Schweinitz	Meat, eggs, sawdust, and potatoes.	.....	84.16

*a* Included in "Scientific investigations."

*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
TUBERCULIN MANUFACTURE—continued.									
Fred Hawley.....						Wooden boxes.....			\$19.00
John C. Parker.....						Gummed labels.....			6.31
Total.....									459.14
COLLECTING INFORMATION.									
Edward Sheldon.....	Agent.....	Mar. 22, 1893		\$10.00			\$260.00	\$134.45	
John T. McNeely.....	do.....	May 10, 1897	Nov. 30, 1897		\$1,200		499.35	269.35	
Tootie A. Goddes.....	Inspector.....	June 16, 1896			1,400		235.80	120.48	
Chas. H. Stevens.....	Special agent.....	May 7, 1898					176.94	30.42	
The Denver and Rio Grande R. R. Co.....						Transportation, J. T. McNeely.....		6.00	
Great Northern Rwy. Co.....						Transportation, Edw. Sheldon.....		11.60	
Erie Railroad Co.....						do.....		18.00	
Michigan Central R. R. Co.....						Transportation, C. H. Stevens.....		13.50	
Chicago, Milwaukee and St. Paul Rwy. Co.....						do.....		21.24	
Total.....							1,171.64	625.04	
HOG CHOLERA SERUM EXPERIMENTS.									
Wm. C. Gessford et al.....	Laborers.....	Apr. 13, 1898	May 31, 1898			Services at station.....	247.50		
J. A. Moxley et al.....	do.....	do.....				do.....	676.25		
Thomas V. Cole.....	Laborer.....	May 4, 1898	May 31, 1898			do.....	2.50		
Wm. A. Scherer.....	do.....	May 20, 1898	June 30, 1898			do.....	17.50		
John L. Furr.....	do.....	do.....	do.....			do.....	30.00		
Hillery T. Burrows.....						Leveling land for stables.....			353.43
Rudolph, West & Co.....						Bolts, hasps, chains, and hinges.....			38.75
Thomas R. Riley.....						Lumber for stables.....			654.92
James B. Lambie.....						Shovels.....			1.50
Whitall, Tatum & Co.....						Jars for serum.....			63.22
The Kay-Scherer Co.....						Syringes.....			7.75
Geo. A. Shehan.....						Lumber and hauling.....			1,688.66
E. C. Schroeder.....						Messenger hire.....			1.00



[illegible]

*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.	Miscel- laneous.
ERADICATION OF HOG CHOL- ERA AND SWINE PLAGUE— continued.									
Clarinda, Iowa—Cont'd.									
P. J. Johnson						Hogs for experiment.			\$7.20
A. O. Brewer						do			9.60
Mrs. Eliza McKee						do			12.40
Wm. T. Beckett						do			33.00
F. J. Borland						do			38.25
C. M. Conyer						do			78.90
Clark Davison						do			278.50
I. B. Damewood						do			20.00
A. R. Clayton						do			21.00
Jas. Whitmore						do			53.40
C. H. Spalding						do			15.20
G. T. Loy						do			34.95
W. W. Montange						do			3.20
E. J. Caldwell						do			3.00
A. K. Christensen						Hogs for experiment.			32.90
W. L. Gordon						do			2.40
J. T. Haley						do			8.26
C. H. B. Carlson						do			2.50
Amos Apple						do			3.25
H. E. Anderson						do			3.00
Jno. E. Davis						do			4.30
Mary Friesz						do			4.95
C. G. Petersen						do			5.00
F. M. Manifold						do			6.00
Wm. E. Newman						do			7.00
Renel Miller						do			13.12
Frank Johnson						do			18.76
W. W. Whitlow						do			19.50
Jos. Burwell						do			7.70
H. D. Lucas						do			7.00
B. F. Ennis						do			2.50
F. W. Ammons						do			28.75
C. H. Varley						do			12.56
E. E. Dredge						do			15.75

C. M. Collier.....	do	63.00
D. D. Stitt.....	do	126.30
S. E. Frank.....	do	23.74
Frank Morley.....	do	6.88
Fred Boles.....	do	10.20
D. B. Holton.....	do	10.50
J. E. McCurdy.....	do	15.60
Jas. A. Bloom.....	do	88.20
J. D. Laughlin.....	do	19.68
Franklin McCurdy.....	do	142.01
Ambrose Beery.....	do	88.00
A. C. Harland.....	do	3.75
Edwd. Crosby.....	do	67.02
Isaac Mulkins.....	do	75
Jacob Hamm.....	do	1.50
T. E. Earhart.....	do	2.00
C. E. Worrell.....	do	3.00
J. S. Crosby.....	do	2.00
C. A. Gates.....	do	10.62
L. W. Good.....	do	8.00
Frank Brokaw.....	do	3.00
J. D. Maxwell.....	do	188.98
Caleb Hall.....	do	5.60
E. N. Fowler.....	do	72.50
P. P. Castle.....	do	12.60
Jas. Whitmore.....	do	2.00
R. T. Johnson.....	do	371.45
J. W. Duncan.....	do	181.02
J. D. Elliott.....	do	170.91
J. S. McFarland.....	do	150.00
Prichard Bros.....	do	510.00
J. S. Hayes.....	do	142.30
T. Henry.....	do	2.25
N. W. Winter.....	do	19.76
R. D. Farrens.....	do	158.50
S. M. Elrick.....	do	166.80
David Harris.....	do	228.02
Ed. Hakes.....	do	360.00
Jno. W. Service.....	do	94.00
L. L. Johnston.....	do	155.02
J. S. Bentley.....	do	66.95
Edwd. Hollis.....	do	6.75
A. C. Jackson.....	do	10.00
Aug. C. Frisby.....	do	50.00
S. E. McAlpin.....	do	144.75
James Dunn.....	do	135.00
Saml. Hollis.....	do	83.15
Phil. M. Crockett.....	do	1.50
S. W. Kelley.....	do	168.00
M. R. Anshach.....	do	53.80
A. A. Barry.....	do	161.00
W. T. Craun.....	do	375.01







*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services rendered.	Compensation.		Disbursements.			Miscellaneous.
				Per item.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
EXPORT CATTLE INSPECTION—continued.									
Buffalo, N. Y.—Continued.									
Benj. Howes.....	Assistant inspector.....	Feb. 1, 1898			\$1,200		\$496.70		
Albert H. Hoyt.....	Clerk.....	May 1, 1893			1,000		991.67		
Geo. H. Russell.....	do.....	Nov. 10, 1897			840		534.15		
Frank J. Dauby.....	Tagger.....	May 1, 1893			720		236.64		
Jno. Mazurewski.....	do.....	July 10, 1893			720		720.00		
Frank J. Gilmore.....	do.....	Feb. 1, 1896			720		262.12		
Ernest F. Slater, Jr.....	do.....	Dec. 7, 1896			720		520.33		
Ransom Hinkson.....	do.....	Apr. 25, 1896			720		420.60		
Wm. J. Carroll.....	do.....	Apr. 16, 1894			720		118.00		
Nelson P. Hinkley.....	.....					Office rent.....		\$137.10	
Wm. E. Pratt.....	.....					Hog ringers.....		1.35	
East Buffalo Live Stock Exchange Co.....	.....					Office rent.....		195.48	
W. B. Moses & Sons.....	.....					Desks and chairs.....		73.52	
Baltimore, Md.									
H. A. Hedrick.....	Inspector.....	July 16, 1893			1,600		1,600.00		41.09
Isaac L. Ball.....	Clerk.....	Dec. 1, 1892			1,200		1,200.00		
Wm. Bennett.....	Tagger.....	Apr. 16, 1893			720		720.00		
Jos. E. Blondell.....	do.....	do.....			720		720.00		
Chas. Eisenreich.....	do.....	Mar. 15, 1894			720		720.00		
Wm. J. Sullivan.....	do.....	Aug. 14, 1893			720		720.00		
N. Rufus Gill.....	.....					Office rent.....		125.00	
C. O. Brockway.....	.....					Metal tags.....		14.00	
Chicago Car Seal and Manufacturing Co.....	.....					Round tin boxes.....		4.00	
The Chesapeake and Potomac Telephone Co.....	.....					Telephone rental.....		78.00	
Wm. E. Pratt.....	.....					Hog ringers.....		33.80	
Philadelphia, Pa.									
George Carter.....	Stock examiner.....	Jan. 1, 1894			1,000		1,000.00		16.49
Wm. J. Haughey.....	Laborer.....	Aug. 22, 1896			\$2.00		116.00		26.80
Chas. A. Schautler.....	.....					Towels, ice, and stationery.....			26.67
The Bell Telephone Co. of Philadelphia.....	.....					Telephone rental.....			



<i>Boston, Mass.</i>									
Daniel D. Lee	Inspector	Sept. 1, 1893	Feb. 28, 1898	2,000	1,257.14	30.95			
A. G. G. Richardson	do	July 1, 1896		1,400	543.93	177.12			
Do	do	Apr. 1, 1898		1,000	\$36.25				
Geo. W. Pope	Assistant inspector	Nov. 11, 1895		1,200					
Do	Inspector	Apr. 1, 1898		1,400	1,250.00				
Jno. G. Sloc	Assistant inspector	Apr. 14, 1897		1,200	187.91				
Thomas Cullen, jr.	Stock examiner	Jan. 1, 1894		1,000	1,000.00	23.25			
Do	do	do	Feb. 12, 1898	900	119.82				
Jno. P. Freeman	Clerk	Nov. 6, 1893	Mar. 31, 1898	1,000	747.23				
Jno. L. Gilman	do	Apr. 1, 1898		840	210.00				
L. L. Bullard	Tagger	Mar. 1, 1892		720	718.00				
Wm. J. Corbett	do	Feb. 1, 1896		720	478.00				
Patk. F. Murphy	do	Sept. 15, 1893		720	585.30				
Geo. H. Oliver	do	Dec. 7, 1891	Jan. 21, 1898	720	289.51				
John Shannon	do	Mar. 1, 1892		720	720.00				
Ed. D. Fitzgerald	do	Mar. 10, 1898		720	224.00				
Cyrus K. Small	do	Jan. 8, 1896		720	180.00				
Jas. S. Kennedy	do	May 23, 1898		720	61.28				
Jas. G. Jeffrey	do	Feb. 1, 1898		720	55.38				
Harry F. Hume	Laborer	May 29, 1896		1.50	120.00				
Jos. F. Dean					Office rent and furniture.	490.00			
New England Telegraph and Telephone Co.					Telephone rental	156.00			
The Boston Gaslight Co.					Gas	21.30			
Wm. B. Moses & Sons					Desk, chair, and stool	27.84			
Ezra B. Whittier					Walnut table	6.50			
<i>Pittsburg, Pa.</i>									
Harry N. Waller	Assistant inspector	June 1, 1895		1,200	1,250.00	4.58			
Do	Inspector	Apr. 1, 1898		1,400					
Geo. Cronley	Laborer	June 1, 1896	Sept. 8, 1897	2.00	38.00				
Walter J. Moran	do	do		2.00	79.00				
Wm. Miller	do	do		2.00	82.00				
Jno. T. Callahan	do	Sept. 3, 1897		2.00	20.00				
F. J. Gilmore					Traveling expenses	5.75			
Lake Shore and Michigan Southern Rwy. Co.					Transportation, F. J. Gilmore.	5.40			
Chas. O. Brookway					Metal tags	14.00			
<i>Norfolk and Newport News.</i>									
Geo. C. Fawille	Inspector	Dec. 15, 1893		1,400	1,400.00	25.55			
Sol. Miller	Stock examiner	May 1, 1894		1,000	1,000.00	144.00			
J. A. Turner & Co.					Office rent	7.00			
Chas. O. Brookway					Metal tags				

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
EXPORT CATTLE INSPECTION—continued.									
Portland, Me.									
F. W. Huntington	Inspector	June 1, 1896			\$1,200		\$700.00		\$1.00
F. W. Sargeant	Laborer	Dec. 1, 1896		\$2.00			294.00		
Great Britain.									
W. H. Wray	Veterinary inspector	Feb. 1, 1894		12.50			4,562.50	\$102.26	
Jas. F. Ryder	do	Oct. 1, 1892			2,000		2,000.00	510.00	
Frank M. Hunter	Clerk	Sept. 1, 1897			1,000		997.31		
New Orleans, La.									
Asa N. McQueen	Veterinary inspector	Feb. 8, 1892		5.00			40.00		
Miscellaneous.									
Wm. E. Pratt									228.57
Chas. O. Brockway									222.50
Thos. J. Turner									1.52
Saml. E. Bennett									.30
Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.									.27
Baltimore and Ohio R. R. Co.							do		2.86
New York, New Haven and Hartford R. R. Co.							Freight on tin tags		.71
Chicago, Indianapolis and Louisville Rwy. Co.							Freight on hog rings		.48
Total							59,076.81	715.66	3,665.34
SOUTHERN CATTLE INSPECTION.									
East St. Louis.									
Louis P. Cook	Assistant inspector	May 1, 1896			1,200		283.68	4.50	
A. W. Crawford	Stock examiner	Apr. 1, 1897	Mar. 1, 1898		900		266.54		
Jno. F. Schiermann	do	do			900		415.00		

Tagger	Feb. 15, 1895	720	Transportation, L. P. Cook	332.00	21.25
Jos. Sullivan Chesapeake and Ohio Rwy. Co.					
<i>Kansas City, Kans. and Mo.</i>					
Albert Dean					
A. B. Morse	Sept. 1, 1893	1,800		1,800.00	118.72
Wm. D. Jorden	May 19, 1895	1,400		700.00	38.25
Dan. Cunningham	Jan. 1, 1894	1,200		1,200.00	589.15
George C. Moser	do	1,200		1,200.00	543.35
Joseph Bruser	do	1,200		1,200.00	103.30
do	do	1,400			
do	Nov. 15, 1897	1,200		1,274.43	
W. E. Hill	Jan. 1, 1894	1,400			
do	Nov. 15, 1897	1,200		1,274.43	170.93
Chas. H. Bleuer	Aug. 16, 1895	1,200			
do	Apr. 1, 1898	1,400		1,250.00	574.45
Harry B. Adair	Oct. 1, 1896	1,200		703.30	145.30
Abram M. Adams	Feb. 12, 1897	1,200		1,156.60	198.70
Leslie J. Allen	Aug. 11, 1896	1,200		570.03	221.15
Geo. A. Bond	Feb. 24, 1898	1,200		419.97	88.20
Thos. A. Bray	Apr. 1, 1897	1,200		900.00	212.83
Frank C. Bells	Mar. 1, 1898	1,200		403.30	20.53
Fredk. W. Hopkins	Feb. 15, 1896	1,200		10.00	
Peter I. Kershner	Feb. 3, 1897	1,200		903.30	109.76
Jno. K. Mohler	Feb. 1, 1897	1,200		254.37	87.00
S. J. Murray	May 23, 1898	1,200		121.98	21.01
Jas. J. Sumnerfield	May 26, 1898	1,200		118.68	18.55
P. H. Mallowney	Jan. 17, 1898	1,200		546.70	195.15
Frank T. Shannon	July 15, 1895	1,200		1,173.90	156.11
Rice P. Steddom	Apr. 1, 1897	1,200		496.70	267.71
Thomas L. Rice	Feb. 10, 1898	1,200		305.09	42.25
A. J. Murray	Mar. 21, 1898			100.00	88.80
Thos. P. Barbour	May 1, 1895	900		75.80	
W. N. D. Bird	Mar. 15, 1895	900		885.25	15.40
De N. Jewett	Jan. 24, 1898	900		450.01	51.40
Alexander Lobb	Feb. 15, 1894	1,200		456.53	23.65
do	Feb. 10, 1898	900			
B. L. Stine	Aug. 1, 1897	900		372.50	
Jos. W. Parker	May 1, 1897	840		860.20	
do	Mar. 1, 1898	900			
Albert Dean			Telegrams		42.05
Kansas City Stock Yards Co.			Office rent		180.00
The J. H. North Furniture and Carpet Co.			Office chair and stand		10.00
San Antonio and Aransas Pass Rwy. Co.			Transportation, Kershner and Bells.		18.40
Southern California Rwy. Co.			Transportation, Hill and Moh- ler.		75.00
Galveston, Harrisburg and San Antonio Rwy. Co.			Transportation, Rice, Bond, Bray et al.		168.25







*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.
MEAT INSPECTION.								
Chicago, Ill.								
W. S. Devoe	Inspector.	June 1, 1893			\$2,500		\$2,500.00	
O. E. Dyson	do	May 1, 1894			1,600		1,600.00	
O. J. Lanigan	do	Jan. 16, 1897			1,600		1,600.00	
Wm. A. Bruette	do	July 1, 1895			1,400		1,334.53	
Adolph M. Casper	do	Jan. 1, 1895			1,400		1,373.01	
Jos. B. Clancy	do	Aug. 15, 1893			1,400		1,400.00	
J. G. Fish	do	Jan. 16, 1895			1,400		1,396.14	
S. W. Burt	Veterinary inspector	Sept. 1, 1893			1,400		1,400.00	
O. G. Atherton	Assistant inspector	Nov. 10, 1896			1,200		1,196.70	
S. G. Burkholder	do	Jan. 1, 1897			1,200		1,200.00	
Herman Busman	do	Feb. 23, 1898			1,200		406.82	
L. Enos Day	do	Apr. 15, 1897			1,200		1,200.00	
Chas. E. McNeil	do	Mar. 4, 1898			1,200		393.33	
Albert E. Rishel	do	do			1,200		393.33	
F. L. DeWolf	do	Sept. 16, 1895			1,200		46.67	
Chas. H. Zink	do	June 1, 1896			1,200		746.98	
Geo. A. Lytle	do	Apr. 1, 1898			1,200		300.00	
Hiram W. Hawley	do	Nov. 1, 1895			1,200		1,121.30	
Ulysses G. Houek	do	Sept. 15, 1896			1,200		723.30	
James G. Hope	do	Mar. 4, 1898			1,200		336.78	
James C. Keely	do	Mar. 1, 1898			1,200		327.47	
Thos. A. Kierman	do	Nov. 10, 1896			1,200		1,190.17	
Frank B. McCall	do	do			1,200		1,163.50	
Harry D. Paxon	do	Jan. 4, 1897			1,200		1,176.84	
Wm. C. Stegmund	do	Jan. 17, 1898			1,200		510.03	
Niels C. Sorensen	do	July 15, 1895			1,200			
Do	Inspector	Apr. 1, 1898			1,200		1,207.68	
Walter J. Stewart	Assistant inspector	June 15, 1896			1,400		813.57	
Frank S. Tufts	do	Apr. 15, 1897			1,200		456.78	
Arthur R. Wake	do	Nov. 18, 1895			1,200		946.15	
Wm. H. Smith, Jr	do	Apr. 1, 1898			1,200		286.81	
Louis A. Klein	do	do			1,200		237.30	
Walter E. Howe.	do	Apr. 11, 1898			1,200		240.66	
Charles Batting	Clerk	Sept. 1, 1894			1,000		1,000.00	
B. A. Galligan	do	Jan. 1, 1896			1,000		1,000.00	
E. B. Luce	do	Feb. 1, 1896			1,000		1,000.00	



Geo. V. McIntyre	do	do	Dec. 15, 1893	1,000	114.09
Charles S. Pew	do	do	do	1,000	1,000.00
S. H. Tourtellotte	do	do	Jan. 10, 1898	1,000	413.90
J. J. O'Malley	do	do	Nov. 1, 1895	900	900.00
Jacob K. Skinner	do	do	June 1, 1897	900	900.00
Leroy Scribner	do	do	Dec. 15, 1896	840	814.74
Irving W. Pew	do	do	Dec. 21, 1896	720	720.00
D. H. McArthur	do	do	Mar. 10, 1898	840	261.33
Norman R. Adams	do	do	Nov. 1, 1895	900	873.08
W. J. Bennett	do	do	Jan. 1, 1894	900	848.65
George Best	do	do	do	900	669.20
Edw. Brundige	do	do	Jan. 16, 1894	900	485.00
H. D. Burtick	do	do	Jan. 8, 1894	900	900.00
Thos. G. Clark	do	do	Jan. 1, 1894	900	900.00
F. C. Cooley	do	do	Nov. 1, 1895	900	900.00
Bryan I. Conway	do	do	Jan. 1, 1894	900	500.32
Jas. J. Dufficy	do	do	do	900	900.00
David Frisch	do	do	do	900	897.57
Jas. Gardner	do	do	June 27, 1895	900	897.57
Henry Grady	do	do	do	900	900.00
Geo. Grafton	do	do	do	900	900.00
James Hale	do	do	Jan. 1, 1894	900	880.00
Thos. F. Hanley	do	do	June 24, 1895	900	883.12
Geo. T. Hanton	do	do	June 27, 1895	900	900.00
Wm. Harpst	do	do	do	900	900.00
Wm. P. Hickey	do	do	Feb. 15, 1894	900	892.56
Denis Hurley	do	do	Aug. 1, 1895	900	746.70
Jos. F. Jordan	do	do	Jan. 1, 1894	900	900.00
R. Kochanowski	do	do	do	900	900.00
Otho D. Kortz	do	do	June 27, 1895	900	850.74
Geo. Linnham	do	do	Jan. 1, 1894	900	900.00
Abram M. Manny	do	do	July 27, 1897	900	833.95
Jas. A. Murphy	do	do	Jan. 1, 1894	900	900.00
Jno. Murphy	do	do	Feb. 15, 1894	900	892.67
Terence O'Brien	do	do	do	900	900.00
Thos. O'Shaughnessy	do	do	do	900	823.37
G. W. Pierce	do	do	Jan. 8, 1894	900	837.58
W. S. Pidgeon	do	do	Aug. 1, 1895	900	900.00
Wm. Proudfoot	do	do	Feb. 1, 1896	900	858.41
Chas. W. Rowse	do	do	Nov. 11, 1895	900	900.00
Jno. J. Ryan	do	do	Dec. 1, 1893	900	900.00
Jno. W. Sarsfield	do	do	Jan. 1, 1894	900	900.00
Frank Schroeder	do	do	June 27, 1895	900	900.00
Fredk. L. Simpson	do	do	do	900	900.00
Jno. B. Sine	do	do	Dec. 1, 1893	900	900.00
Arthur Stuart	do	do	Feb. 1, 1896	900	550.04
Saml. T. Smith	do	do	May 1, 1896	900	900.00
Chas. O. Turner	do	do	Feb. 7, 1894	900	877.84
Wm. Umbach	do	do	Nov. 1, 1895	900	900.00
Thos. J. Wade	do	do	July 1, 1896	900	900.00
Jno. Wallwork	do	do	May 1, 1895	900	900.00
Fred. D. Waterman	do	do	Jan. 15, 1896	900	900.00

*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.
MEAT INSPECTION—cont'd.								
Chicago, Ill.—Continued.								
H. B. Weller	Stock examiner	Feb. 1, 1896	.....	.....	\$900	.....	\$900. 00	.....
H. D. Williams	do	June 27, 1895	.....	.....	900	.....	900. 00	.....
Geo. W. Wood	do	do	.....	.....	900	.....	900. 00	.....
Theo. B. Zundel	do	Nov. 1, 1895	.....	.....	900	.....	900. 00	.....
Richard E. Lyman	do	Apr. 23, 1894	.....	.....	900	.....	147. 48	.....
Wm. H. Baker	Tagger	May 1, 1896	.....	.....	720	.....	354. 11	.....
W. A. Briner	do	Feb. 15, 1898	.....	.....	720	.....	270. 00	.....
Clark C. Bone	do	Oct. 18, 1897	.....	.....	720	.....	.....	.....
Do	do	June 1, 1898	.....	.....	900	.....	374. 90	.....
Wm. D. Clark	Stock examiner	Oct. 14, 1897	.....	.....	720	.....	514. 62	.....
Wm. Cleveland	Tagger	Jan. 1, 1892	.....	.....	720	.....	720. 00	.....
Harry H. Cofoid	do	Nov. 18, 1895	.....	.....	720	.....	712. 01	.....
Michl. J. Dinneen	do	Sept. 10, 1894	Mar. 31, 1898	.....	720	.....	430. 33	.....
John Fitzgerald	do	June 27, 1895	.....	.....	720	.....	696. 16	.....
Jas. A. Flanagan	do	May 23, 1895	.....	.....	720	.....	720. 00	.....
James Foley	do	July 17, 1893	.....	.....	720	.....	706. 19	.....
Wm. Fox	do	Feb. 1, 1894	.....	.....	720	.....	717. 94	.....
M. J. Freidline	do	June 8, 1896	.....	.....	720	.....	720. 00	.....
Thos. R. Fugle	do	Feb. 1, 1896	.....	.....	720	.....	720. 00	.....
Dighton Granger	do	Oct. 18, 1897	.....	.....	720	.....	13. 70	.....
John J. Garrity	do	Sept. 1, 1893	.....	.....	720	.....	720. 00	.....
Albert E. Harris	do	May 1, 1896	.....	.....	720	.....	720. 00	.....
Jas. Herriman	do	June 27, 1895	.....	.....	720	.....	720. 00	.....
Del. Howard	do	Sept. 15, 1893	.....	.....	720	.....	121. 20	.....
John Jacobson	do	Feb. 15, 1895	.....	.....	720	.....	248. 48	.....
Hulbert Jones	do	May 1, 1896	.....	.....	720	.....	506. 00	.....
Julius Kidder	do	Oct. 9, 1897	June 30, 1898	.....	720	.....	524. 40	.....
Robt. G. Knipple	do	June 8, 1896	.....	.....	720	.....	718. 10	.....
J. C. Lorenzen	do	June 27, 1895	.....	.....	720	.....	712. 13	.....
Dan. Lynch	do	Aug. 15, 1893	.....	.....	720	.....	715. 96	.....
John C. Massie	do	Oct. 20, 1896	.....	.....	720	.....	720. 00	.....
Michl. Metzger	do	Sept. 15, 1893	.....	.....	720	.....	720. 00	.....
M. L. McMahon	do	June 27, 1895	.....	.....	720	.....	720. 00	.....
Chas. W. Philpot	do	Oct. 18, 1897	.....	.....	720	.....	506. 79	.....
J. C. Porterfield	do	May 16, 1894	.....	.....	720	.....	720. 00	.....
Jas. M. Ratney	do	June 27, 1895	.....	.....	720	.....	720. 00	.....

Ernest E. Rue.....	do	June 8, 1896	720	720.00		
Wm. Ryan.....	do	July 17, 1893	720	642.36		
Theo. Sauer.....	do	Aug. 15, 1891	720	720.00		
Casper J. Schmitt.....	do	May 1, 1896	720	717.94		
I. Shortridge.....	do	Dec. 2, 1895	720	720.00		
J. E. Troughton.....	do	Dec. 1, 1892	720	702.03		
Frank N. Trudelle.....	do	Aug. 16, 1894	720	718.05		
Thos. A. White.....	do	June 24, 1895	720	720.00		
Patk. H. Griffin.....	do	Feb. 15, 1894	720	596.80		
Michl. M. Murray.....	do	May 16, 1894	720	177.54		
Benj. S. Paddock.....	Live-stock agent	Nov. 1, 1896	1,200	193.41		
Hiram Grable.....	Laborer	Sept. 1, 1896	\$2.00	340.00		\$80.85
Frank A. Paddock.....	do	Dec. 1, 1896	2.00	120.00		429.25
Wm. Hutton.....	do	Aug. 11, 1896	2.00	26.00		450.00
W. S. Devoe.....	do					6.50
E. J. Brooks & Co.....	do					350.00
Gahan & Byrne.....	do					3.20
W. W. Wilcox & Co.....	do					40.30
Chicago Telephone Co.....	do					201.02
Chicago Car Seal and Man- ufacturing Co.....	do					180.00
Rand, McNally & Co.....	do					180.00
Clary Bros.....	do					1,143.52
O. E. Dyson.....	do					\$11.50
O. J. Langan.....	do					
Chas. O. Brockway.....	do					
Chicago, Milwaukee and St. Paul Rwy.....	do					
Cameron, Amberg & Co.....	do					18.70
Edw. F. Ebinger.....	do					.15
C. H. Hanson.....	do					1.50
Marshall & Hawley.....	do					406.33
A. P. Little.....	do					2.85
Jno. Schroeder.....	do					5.27
George Grafton.....	do					44.15
Geo. B. Carpenter & Co.....	do					9.75
MICROSCOPIC INSPECTION.						
Chicago, Ill.						
E. Balzer.....	Microscopist	Aug. 1, 1896	1,800	1,800.00		
E. L. Siggins.....	Inspector	Sept. 1, 1893	1,400	1,400.00		
Herman Jacobus.....	Tagger	June 27, 1895	720	720.00		
Wm. McKay.....	do	do	720	720.00		
Ellen S. Mayhew.....	Microscopist	July 1, 1896	900	826.37		
Bertha I. Allen.....	Assistant microscopist	Dec. 20, 1897	600	266.81		
Nannie D. Althof.....	do	Feb. 1, 1894	600	534.16		
Jennie Armstrong.....	do	Sept. 7, 1897	600	127.17		



*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.
MICROSCOPIC INSPECTION— continued.								
Chicago, Ill.—Continued.								
Nellie A. Arnold	Assistant microscopist.	Aug. 20, 1897	Dec. 19, 1897	—	\$600	—	\$192.39	—
Flora A. Ayers	do	Nov. 26, 1894	—	—	600	—	547.84	—
Libbie Bacon	do	Aug. 20, 1897	Dec. 19, 1897	—	600	—	194.02	—
Ida Bannister	do	Sept. 1, 1893	—	—	600	—	96.15	—
Katie Barrow	do	Nov. 1, 1892	—	—	600	—	479.93	—
Mary K. Barry	do	May 1, 1895	—	—	600	—	577.06	—
Addie E. Dennison	do	Apr. 23, 1894	—	—	600	—	534.33	—
Malvina A. Bixby	do	Aug. 20, 1897	—	—	600	—	512.01	—
Elise Blanck	do	do	Dec. 19, 1897	—	600	—	195.83	—
Veturia E. Boyd	do	Feb. 17, 1897	—	—	600	—	600.00	—
Kate H. Brady	do	Dec. 1, 1892	—	—	600	—	598.45	—
Martha E. Brandt	do	Dec. 7, 1896	—	—	600	—	585.16	—
Laura D. Burke	do	June 22, 1891	—	—	600	—	373.29	—
Nellie Callaghan	do	Sept. 1, 1893	—	—	600	—	460.65	—
May E. Carlisle	do	do	—	—	600	—	37.50	—
Tillie Cella	do	Nov. 28, 1892	—	—	600	—	593.53	—
M. I. Charlesworth	do	Aug. 9, 1897	—	—	600	—	135.41	—
Anna F. Clarke	do	Sept. 1, 1893	—	—	600	—	524.95	—
M. J. Connell	do	do	—	—	600	—	598.28	—
Nora Conway	do	Oct. 10, 1892	—	—	600	—	573.51	—
May H. Crosby	do	Sept. 1, 1893	—	—	600	—	538.96	—
Lillie M. Crowell	do	Feb. 1, 1894	—	—	600	—	595.06	—
Nellie E. Damon	do	Feb. 5, 1894	—	—	600	—	595.15	—
Nina B. Davis	do	Jan. 3, 1898	—	—	600	—	252.15	—
Barbara Dorsey	do	Dec. 26, 1894	—	—	600	—	554.23	—
May Drom	do	Aug. 20, 1897	Dec. 19, 1897	—	600	—	161.41	—
Ella B. Earle	do	Mar. 25, 1895	—	—	600	—	582.02	—
H. Augusta Eaton	do	Apr. 23, 1894	—	—	600	—	455.52	—
Elizth. K. Eckert	do	Mar. 16, 1895	—	—	600	—	588.47	—
Eulalia Edwards	do	Sept. 1, 1897	—	—	600	—	185.95	—
Clara B. Ellars	do	Sept. 20, 1897	June 23, 1898	—	600	—	400.56	—
Margaret Enright	do	Sept. 11, 1893	—	—	600	—	512.88	—
Matilda Evanson	do	Dec. 21, 1897	—	—	600	—	296.65	—
Abbie M. Farwell	do	Feb. 15, 1895	—	—	600	—	560.69	—
Lyde Finlen	do	Jan. 1, 1894	—	—	600	—	506.86	—

Sarah Flaherty.....	do	Oct. 9, 1897	Dec. 30, 1897	600	127.46
Lillian T. Flood.....	do	Sept. 1, 1897	do	600	132.15
Mary A. Flood.....	do	do	do	600	197.41
Ada K. Gannon.....	do	Feb. 15, 1894	do	600	353.85
Elizabeth C. Gibson.....	do	July 24, 1896	do	600	289.48
Mary F. Goggin.....	do	Aug. 9, 1897	do	600	488.65
Nellie M. Goodridge.....	do	May 16, 1893	do	600	493.36
Mary Gorman.....	do	Oct. 26, 1891	do	600	76.59
Alice Granger.....	do	Oct. 1, 1897	Dec. 31, 1897	600	138.54
Alice L. Hadley.....	do	Sept. 1, 1897	Dec. 30, 1897	600	195.78
Bertha G. Hardie.....	do	Aug. 16, 1894	Aug. 31, 1897	600	48.92
M. L. L. Peterson.....	do	Mar. 21, 1898	do	600	120.48
Jennie E. Hatch.....	do	Sept. 7, 1897	do	600	462.74
Nellie F. Haighton.....	do	July 10, 1891	Dec. 9, 1897	600	244.51
Eva M. Hedstrom.....	do	Aug. 20, 1897	do	600	8.24
Tessie C. Havey.....	do	June 20, 1891	do	600	519.35
Julia Heil.....	do	Feb. 17, 1897	do	600	351.32
Lillie Heil.....	do	Dec. 21, 1897	do	600	252.15
Lizzie E. Hennessey.....	do	Apr. 1, 1894	do	600	524.30
Jessie Hickman.....	do	Dec. 20, 1897	do	600	298.40
Dora V. N. Hosmer.....	do	Feb. 1, 1894	do	600	507.92
Mary E. Hotchkiss.....	do	Mar. 1, 1895	do	600	598.28
Myrtle A. Hunt.....	do	Jan. 3, 1898	do	600	296.65
Abbie W. Hunter.....	do	Feb. 1, 1894	do	600	530.77
Effie M. Hunter.....	do	Nov. 24, 1896	do	600	506.72
Mary Hurley.....	do	Dec. 1, 1893	do	600	576.94
Louise Johnson.....	do	Jan. 3, 1898	do	600	291.71
Mary E. Kean.....	do	Sept. 1, 1893	do	600	585.38
Nellie E. Kenyon.....	do	Dec. 20, 1897	do	600	258.60
Alice Lawson.....	do	Aug. 9, 1897	do	600	528.25
Mary E. Leahy.....	do	Sept. 1, 1893	do	600	475.09
Kate R. Luce.....	do	Aug. 17, 1897	do	600	465.74
Amy T. Mace.....	do	Jan. 3, 1898	do	600	252.15
Chris. MacNeill.....	do	Nov. 8, 1894	Mar. 28, 1898	600	385.89
Rose Mahony.....	do	Sept. 7, 1897	Jan. 5, 1898	600	197.54
Eva B. Markoe.....	do	Nov. 19, 1894	do	600	252.12
Ida Belle Martin.....	do	Nov. 15, 1893	do	600	377.77
Evelyn C. McCarthy.....	do	Jan. 3, 1898	do	600	290.11
L. G. McGlasson.....	do	May 1, 1892	do	600	586.93
Daisy G. McGrath.....	do	Jan. 3, 1898	do	600	225.59
Mary McShane.....	do	Feb. 16, 1895	do	600	84.74
Tella C. McCrystal.....	do	Apr. 11, 1898	June 25, 1898	600	34.61
Ida May Meek.....	do	Sept. 24, 1897	Dec. 6, 1897	600	115.75
Fanny Fay Mills.....	do	Apr. 23, 1894	do	600	427.38
Katie A. Murphy.....	do	Aug. 15, 1892	do	600	552.44
Mamie F. Murray.....	do	Sept. 1, 1893	do	600	558.80
Elizabeth L. Neill.....	do	Jan. 3, 1898	do	600	252.15
Mary Nelson.....	do	Oct. 1, 1897	Dec. 31, 1897	600	133.74
Annie Nicolai.....	do	Sept. 16, 1891	do	600	567.23
Margaret M. Norton.....	do	Dec. 10, 1896	do	600	311.38
Agnes B. O'Brien.....	do	Aug. 3, 1897	Feb. 24, 1898	600	531.71
Helen E. O'Brien.....	do	do	do	600	536.50

*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.				
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.	Miscel- laneous.	
MICROSCOPIC INSPECTION— continued.										
Chicago, Ill.—Continued.										
Josie E. O'Brien.....	Assistant microscopist.....	Sept. 7, 1897	Jan. 5, 1898	.....	\$600	.....	\$192. 69	.....		
Julia H. O'Brien.....	do.....	Aug. 9, 1897	.....	.....	600	.....	473. 63	.....		
Bessie D. Ogden.....	do.....	Mar. 15, 1895	.....	.....	600	.....	548. 78	.....		
Jessie G. Ogden.....	do.....	Aug. 6, 1894	.....	.....	600	.....	543. 86	.....		
Genevieve Petrie.....	do.....	Dec. 20, 1897	.....	.....	600	.....	309. 55	.....		
Emma Bonn.....	do.....	Aug. 20, 1897	.....	.....	600	.....	412. 94	.....		
Emma Pierson.....	do.....	Jan. 3, 1898	.....	.....	600	.....	298. 45	.....		
J. O. Putnam Hinds.....	do.....	Oct. 1, 1894	.....	.....	600	.....	521. 21	.....		
Anna M. Quinn.....	do.....	Mar. 1, 1895	.....	.....	600	.....	534. 21	.....		
A. H. Richards.....	do.....	Dec. 20, 1897	.....	.....	600	.....	270. 08	.....		
Agnes B. Rieder.....	do.....	do.....	.....	.....	600	.....	317. 93	.....		
Laura Rieder.....	do.....	do.....	.....	.....	600	.....	517. 77	.....		
Sarah A. Biley.....	do.....	Feb. 1, 1894	.....	.....	600	.....	467. 76	.....		
Belle Ritter.....	do.....	Dec. 1, 1894	.....	.....	600	.....	425. 99	.....		
Lila Robinson.....	do.....	Feb. 1, 1894	.....	.....	600	.....	280. 45	.....		
Josephine Rockwell.....	do.....	Jan. 3, 1898	.....	.....	600	.....	591. 75	.....		
Mabel Rockwell.....	do.....	Oct. 1, 1891	.....	.....	600	.....	474. 35	.....		
Blanche Roy.....	do.....	Dec. 1, 1894	.....	.....	600	.....	593. 42	.....		
Blanche Rutledge.....	do.....	Jan. 1, 1893	.....	.....	600	.....	391. 01	.....		
Nellie A. Ryan.....	do.....	Oct. 10, 1892	.....	.....	600	.....	600. 00	.....		
Hannah Scamian.....	do.....	Apr. 1, 1892	.....	.....	600	.....	30. 98	.....		
Tracey Schaeffer.....	do.....	Jan. 1, 1893	.....	.....	600	.....	47. 80	.....		
Nannie D. Strail.....	do.....	Feb. 1, 1894	.....	.....	600	.....	24. 46	.....		
Hattie Schultz.....	do.....	Sept. 15, 1891	.....	.....	600	.....	539. 04	.....		
Mae H. Shaw.....	do.....	Dec. 7, 1896	.....	.....	600	.....	478. 47	.....		
Mary Sheehan.....	do.....	do.....	.....	.....	600	.....	545. 76	.....		
Evalina M. Shepard.....	do.....	Feb. 19, 1897	.....	.....	600	.....	563. 70	.....		
Jennie M. Shufeldt.....	do.....	Dec. 1, 1894	.....	.....	600	.....	84. 74	.....		
Mary Somers.....	do.....	Feb. 16, 1895	.....	.....	600	.....	441. 22	.....		
Eva M. Stevens.....	do.....	Aug. 20, 1897	.....	.....	600	.....	577. 07	.....		
W. O. Sutherland.....	do.....	Feb. 1, 1894	.....	.....	600	.....	415. 19	.....		
Stella Sweet.....	do.....	June 16, 1893	.....	.....	600	.....	402. 95	.....		
Maggie Taylor.....	do.....	Feb. 15, 1894	.....	.....	600	.....	553. 92	.....		
Virginia S. Taylor.....	do.....	Feb. 1, 1894	.....	.....	600	.....	557. 45	.....		
Hattie E. Thomas.....	do.....	do.....	.....	.....	600	.....	.....	.....		





*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.	Miscel- laneous.
MEAT INSPECTION.									
Kansas City.									
Sam'l. E. Bennett	Inspector	June 15, 1897			\$1,400		\$1,450.00		
Do	do	Apr. 1, 1898			1,600				
S. L. Brooking	do	Nov. 15, 1893			1,400		1,388.59		
C. H. Davies	do	Sept. 18, 1891			1,400		1,400.00		
Jas. T. Stuart	do	Sept. 1, 1893			1,400		294.07		
Harry B. Adair	Assistant inspector	Oct. 1, 1896			1,200		496.70	\$2.50	
Leslie J. Allen	do	Aug. 11, 1896			1,200		626.73		
Rich'd. J. Blanche	do	Feb. 23, 1898			1,200		423.30		
Jno. S. Buckley	do	Mar. 1, 1898			1,200		403.30		
Thos. W. Carnahan	do	Feb. 10, 1898			1,200		466.63		
W. Ross Cooper	do	Jan. 25, 1897			1,200		1,153.97		
Chas. H. Canfield	do	Apr. 1, 1898			1,200		300.00		
H. B. Chaney	do	do			1,200		300.00		
David P. Frame	do	Feb. 10, 1898	Feb. 25, 1898		1,200		40.00		
Harrison H. George	do	Feb. 23, 1898			1,200		423.30		
Peter I. Kershner	do	Feb. 3, 1897			1,200		296.70		
Edw. P. Schaffter	do	July 15, 1896			1,200				
Do	Inspector	Dec. 1, 1897			1,400		498.90		
Wm. A. Heek	Assistant inspector	Apr. 15, 1897			1,200		796.66		
Fred. W. Hopkins	do	Feb. 15, 1896			1,200		617.31		
Geo. A. Johnson	do	Apr. 1, 1897			1,200		896.70		
Benj. F. Kaupp	do	Feb. 10, 1896			1,200		1,200.00		
Jno. Cooper Milnes	do	Oct. 1, 1896			1,200		1,193.40		
Jno. R. Mitchell	do	Feb. 1, 1898	Feb. 3, 1898		1,200		6.67		
F. C. McCurdy	do	Apr. 1, 1898			1,200		296.70		
Don W. Patton	do	Oct. 1, 1896			1,200		1,193.40		
Rice P. Steddom	do	Apr. 1, 1897			1,200		690.28		
Charles Adams	do	May 1, 1896			900		691.58		
Stock examiner	do	do			900		885.00		
E. W. Bell	do	do			900				
C. E. Blackmar	do	Feb. 1, 1898			900		372.50		
H. J. Blackwell	do	Jan. 1, 1894			900		774.70		
Chas. A. Brown	do	June 1, 1895			900		900.00		
Wm. Burgess	do	May 1, 1896			900		892.68		
Frank Canon	do	Apr. 1, 1894			900		627.50	9.01	
Geo. T. Cathel	do	Feb. 12, 1894			900		900.00		
no. Colgan	do	May 1, 1896	Dec. 20, 1897		900		75.80		

N. J. Connor.....	do	Jan. 16, 1895	Feb. 12, 1898	900	75.80
J. D. Cooper.....	do	Nov. 15, 1894	.....	900	897.57
Josiah D. Flora.....	do	May 16, 1895	.....	900	900.00
Geo. A. Franklin.....	do	June 17, 1895	.....	900	900.00
Harry D. Freeman.....	do	Oct. 1, 1895	.....	900	900.00
Wm. Gano.....	do	Feb. 1, 1894	.....	900	900.00
Washington Gobble.....	do	Feb. 15, 1894	.....	900	897.50
R. E. L. Jackson.....	do	Nov. 19, 1894	.....	900	900.00
J. A. Liggett.....	do	Sept. 1, 1895	.....	900	870.07
Jno. L. Lobb.....	do	May 1, 1894	.....	900	897.50
M. J. Madden.....	do	May 1, 1896	.....	900	900.00
H. L. McDonald.....	do	May 1, 1894	.....	900	900.00
Porter Morgan.....	do	May 7, 1894	.....	900	900.00
J. G. Rennie.....	do	May 16, 1895	Dec. 20, 1897	900	330.16
J. H. Richardson.....	do	May 3, 1894	.....	900	900.00
Saml. W. Smith.....	do	May 1, 1896	.....	900	900.00
B. L. Stine.....	do	Aug. 1, 1897	.....	900	380.73
A. E. Wagner.....	do	May 1, 1894	.....	900	900.00
W. N. West.....	do	Nov. 19, 1894	Dec. 20, 1897	900	73.37
John Conlon.....	Clerk	Sept. 1, 1893	.....	900	897.58
C. H. Morse.....	do	Oct. 1, 1894	.....	900	885.34
L. N. Vance.....	do	Feb. 1, 1896	.....	900	895.12
Hiram G. Herrick.....	do	Mar. 25, 1898	.....	840	226.33
C. E. Blackmar.....	Tagger	Aug. 1, 1897	.....	720	353.63
Oliver W. Byrd.....	do	July 15, 1896	.....	720	599.30
Bernad. Cunningham.....	do	Dec. 15, 1893	.....	720	712.01
Jas. De Goler.....	do	Apr. 1, 1894	.....	720	702.00
Robt. Fleming.....	do	Nov. 15, 1893	July 31, 1897	720	60.60
Albert Fowles, sr.....	do	Aug. 18, 1897	.....	720	622.28
Wm. B. Garlick.....	do	Aug. 1, 1897	.....	720	639.40
H. B. Gooch.....	do	May 1, 1894	Dec. 20, 1897	720	56.74
Wm. J. Hardenstine.....	do	May 1, 1896	.....	720	454.94
A. J. Henley.....	do	May 1, 1895	.....	720	404.24
David Hunt.....	do	Dec. 1, 1893	.....	720	719.92
August Jost.....	do	Aug. 18, 1897	.....	720	624.23
Harrison H. Knox.....	do	Nov. 1, 1897	.....	720	469.51
E. E. Laird.....	do	Sept. 15, 1897	.....	720	549.64
Wm. J. Maddock.....	do	May 1, 1896	.....	720	720.00
T. A. McLeLand.....	do	Aug. 1, 1897	.....	720	651.68
Henry Morley.....	do	do	.....	720	651.68
Clayton E. Moss.....	do	May 1, 1896	.....	720	297.34
Henry A. Niles.....	do	do	Aug. 31, 1897	720	86.03
Dani. S. Platt.....	do	Jan. 22, 1894	.....	720	718.10
J. W. Shannon.....	do	Feb. 1, 1894	.....	720	720.00
Jas. R. Stafford.....	do	Feb. 7, 1898	.....	720	275.96
James M. Steel.....	do	Aug. 1, 1897	.....	720	657.50
Nelson E. Weaver.....	do	Jan. 3, 1898	.....	720	340.00
Sampson Wright.....	do	Dec. 15, 1893	Oct. 12, 1897	720	201.52
Robt. J. Carter.....	do	Mar. 1, 1898	Mar. 15, 1898	720	2.00
James Murray.....	Laborer	Mar. 14, 1898	.....	720	32.00
Saml. E. Bennett.....	do	.....	\$2.00	.....	.....
S. L. Brooking.....	do	.....	Office expenses	.....	.....
			do		\$21.43
					14.85



*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.			Miscel- laneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.	
MEAT INSPECTION—cont'd.									
Kansas City—Continued.									
R. S. McCurdy	Silver Laundry and Towel Co.					Towel supply			\$8.65
						do			6.40
						Interstate stamps and cards			515.00
						Meat-inspection tags			210.00
						Lead seals and wires			2,507.50
						Freight on stamping ink			.79
						Freight on meat-inspection tags			19.95
						White soap			1.00
						Linseed oil and paints			22.15
						Traveling expenses		\$3.40	
						Transportation J. T. Stuart		21.25	
						Record books			5.00
Wichita, Kans.									
W. C. Barth	Inspector	Sept. 15, 1893			\$1,200				7.35
Thos. W. Osbel	Stock examiner	July 1, 1897			900		\$1,200.00		
C. A. Phillips						Copying press	877.71		5.00
Worcester, Mass.									
Edw. P. Dowd	Assistant inspector	Sept. 16, 1895			1,200				1.00
Henry Leland	Tagger	Feb. 1, 1898			720		496.70	7.25	
New Brighton, Minn.									
Charles Keane	Assistant inspector	Dec. 1, 1897			1,200				2.90
Cecil K. Schafer	Tagger	Apr. 11, 1898			720		376.67		
Melvin P. Server	do	Mar. 9, 1898			720		160.26		
Calvin W. von Dorn	do	Apr. 11, 1898			720		30.00		
Chas. Follmer	Laborer	Mar. 11, 1898			\$2.00		160.26		
Wm. J. Gahan	do	May 31, 1898			2.00		10.00		
Wallbloom Furniture and Carpet Co.	do	Mar. 28, 1898				Desk, chairs, tables, and press	24.00		32.70

MICROSCOPIO INSPECTION.  
Kansas City.

S. Stewart.....	Microscopist.....	July 1, 1893	1,400	1,377.10	.....
Jno. R. Mohler.....	Assistant inspector.....	Feb. 1, 1897	1,200	84.78	.....
Thos. A. Scott.....	Clerk.....	Mar. 10, 1898	840	261.33	.....
Geo. D. Young.....	do.....	Mar. 16, 1898	840	247.33	.....
Oliver W. Byrd.....	Tagger.....	July 15, 1896	720	120.70	.....
G. T. Mann.....	do.....	Dec. 21, 1891	720	720.00	.....
Sam'l. F. March.....	do.....	July 31, 1898	720	194.00	.....
Morey Sappington.....	do.....	.....	720	714.03	.....
Claude McFarland.....	Laborer.....	.....	.....	435.00	.....
Anna B. Armstrong.....	Assistant microscopist.....	June 1, 1898	600	261.81	.....
Anna E. Hale.....	do.....	Jan. 17, 1898	600	226.88	.....
Ida Bannister.....	do.....	Feb. 7, 1898	600	484.16	12.50
Anelia Barthels.....	do.....	Sept. 1, 1893	600	575.48	.....
Mary Bunce.....	do.....	June 20, 1892	600	549.49	.....
Catherine C. Burke.....	do.....	Sept. 1, 1893	600	29.35	12.50
Margaret Burke.....	do.....	do.....	600	215.32	.....
May L. Burke.....	do.....	Feb. 7, 1898	600	500.83	.....
May E. Carlisle.....	do.....	Sept. 1, 1893	600	506.74	.....
Anna F. Clarke.....	do.....	do.....	600	58.65	.....
Anna M. Comstock.....	do.....	do.....	600	233.52	.....
George Crawford.....	do.....	Feb. 7, 1898	600	192.56	.....
Nellie B. Crowley.....	do.....	Aug. 20, 1897	600	218.51	.....
Bertha L. Diller.....	do.....	Feb. 7, 1898	600	300.17	.....
Sallie A. Evans.....	do.....	Sept. 1, 1893	600	588.56	.....
Midge Frechette.....	do.....	Aug. 15, 1893	600	382.05	.....
Florence E. Gray.....	do.....	Sept. 1, 1893	600	281.60	.....
Sallie R. Griffin.....	do.....	Dec. 20, 1897	600	408.32	.....
Marie Hancock.....	do.....	Sept. 1, 1893	600	225.23	.....
Josie Hanrahan.....	do.....	Feb. 7, 1898	600	442.85	.....
Mary Henry.....	do.....	Aug. 20, 1897	600	562.23	.....
Dorothea Holt.....	do.....	Sept. 1, 1893	600	503.87	.....
Sallie Hughes.....	do.....	Aug. 20, 1897	600	495.15	.....
Hattie M. Johnson.....	do.....	May 1, 1895	600	226.93	.....
Bessie Jones.....	do.....	Feb. 7, 1898	600	228.56	.....
Herman J. Kelley.....	do.....	do.....	600	578.34	.....
Tessie Linderman.....	do.....	Sept. 1, 1893	600	573.53	.....
Kate Lynch.....	do.....	June 23, 1892	600	206.84	.....
Kate Martana.....	do.....	Jan. 10, 1898	600	563.60	.....
Millie Martin.....	do.....	Jan. 11, 1893	600	515.39	.....
Elizabeth L. McCane.....	do.....	Aug. 20, 1897	600	228.46	.....
Mary McCarty.....	do.....	Feb. 7, 1898	600	535.46	.....
Margaret Mertall.....	do.....	June 1, 1892	600	596.75	.....
Maria P. Mullan.....	do.....	Sept. 1, 1893	600	590.12	.....
Louise C. Olson.....	do.....	do.....	600	293.38	.....
Nora Osborne.....	do.....	Jan. 3, 1898	600	564.00	.....
Jessie E. Rogers.....	do.....	Jan. 1, 1893	600	238.37	.....
Maud E. Rowles.....	do.....	Feb. 7, 1898	600	223.54	.....
.....	do.....	Feb. 1, 1898	600	.....	.....

*Last of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.
MICROSCOPIC INSPECTION— continued.								
Kansas City—Continued.								
May B. Stearns	Assistant microscopist	Aug. 20, 1897					\$480.58	
Emma I. Torrence	do	Sept. 11, 1893			\$600		586.87	
Jennie Tunstall	do	Sept. 1, 1893			600		591.92	
Clara M. Waldo	do	Feb. 7, 1898			600		236.67	
Jennie B. Wheeler	do	Feb. 1, 1898			600		248.30	
Cora L. Williams	do	Jan. 10, 1898			600		281.57	
Marion Williams	do	Sept. 1, 1893			600		559.22	
Fannie E. Woodson	do	do			600		543.92	
Martha L. Wisdom	do	Aug. 1, 1892			600		385.03	
Emma M. Wyatt	do	Nov. 15, 1893			600		591.89	
Ida Belle Martin	do	June 16, 1893			600		171.75	\$5.50
Stella Sweet	do				600		175.00	
E. E. Bennett						Office expenses		\$3.89
S. L. Brooking						do		3.30
C. W. Tourtellot						Office rent		540.00
R. S. McCurdy						Towel supply		115.27
Silver Laundry and Towel Co.						do		25.18
A. Holzmank						Rubber chair tips		1.95
A. Klein						W hale oil and white soap		7.45
A. O. Stoelzing						Gasoline, mops, and brooms		6.25
Dennison Manufacturing Co.						Duplicate checks		18.00
Thomas Manufacturing Co.						Meat hooks		6.25
Peter McGellan						Repairing lock boxes		2.00
John Doggett						Oilcloth		4.20
J. W. Timmer						Gasoline, boiler, knives, etc		24.60
James Sullivan						Coal		34.50
Wyandotte Gas Co.						Gas		23.26
W. A. Griswold						Ivory and whale oil soap		11.75
Thomas Manufacturing Co.						Meat hooks		7.81
Chicago Car Seal and Man- ufacturing Co.						Tin sample boxes		2.20
Goodyear Rubber Co.						Chair tips		3.84
Doggett Dry Goods Co.						Oilcloth		4.80





*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.		Travel- ing.	Miscel- laneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.		
MICROSCOPIC INSPECTION.									
Milwaukee, Wis.									
John R. Mohler	Assistant inspector	Feb. 1, 1897	.....	.....	\$1,200	.....	\$824.98	\$11.12	.....
Clara Bunck	Assistant microscopist	June 1, 1893	.....	.....	600	.....	534.24	.....	.....
Ida M. Butler	do	Sept. 24, 1897	.....	.....	600	.....	270.28	.....	.....
Martha Cannon	do	Jan. 2, 1895	.....	.....	600	.....	128.76	.....	.....
Eliza M. Caldwell	do	Jan. 3, 1898	.....	.....	600	.....	250.51	.....	.....
Anna R. Carter	do	Jan. 24, 1898	.....	.....	600	.....	147.84	.....	.....
Louise Faust	do	Nov. 1, 1894	.....	.....	600	.....	572.19	.....	.....
Alice B. Fellows	do	Sept. 1, 1897	.....	.....	600	.....	11.41	.....	.....
M. Myrtle Maynard	do	Apr. 25, 1898	.....	.....	600	.....	70.88	.....	.....
Emma C. Pogo	do	Feb. 25, 1898	.....	.....	600	.....	191.84	.....	.....
Mary Gorman	do	Aug. 26, 1891	.....	.....	600	.....	505.42	4.00	.....
Mae B. Joslin	do	Dec. 19, 1897	.....	.....	600	.....	492.41	.....	.....
Frankie E. Kelly	do	Jan. 3, 1898	.....	.....	600	.....	283.56	.....	.....
Gertrude Kemper	do	Dec. 24, 1897	.....	.....	600	.....	109.74	.....	.....
Lucia R. Kemper	do	Aug. 26, 1891	.....	.....	600	.....	542.08	.....	.....
Harriet F. King	do	Feb. 24, 1898	.....	.....	600	.....	175.47	.....	.....
Clara L. Kloes	do	Jan. 16, 1893	.....	.....	600	.....	336.64	.....	.....
Matie Kneeland	do	May 1, 1894	.....	.....	600	.....	377.08	.....	.....
Ida M. E. Scholz	do	Apr. 25, 1898	.....	.....	600	.....	72.53	.....	.....
Anastasia Lawrence	do	Sept. 7, 1897	.....	.....	600	.....	268.52	.....	.....
Annie M. Leberman	do	Dec. 26, 1894	.....	.....	600	.....	448.51	.....	.....
Josephine A. Lyon	do	Dec. 15, 1894	.....	.....	600	.....	588.66	.....	.....
Pearl N. Maynard	do	Oct. 25, 1897	.....	.....	600	.....	363.95	.....	.....
Mary McShane	do	Feb. 16, 1895	.....	.....	600	.....	495.60	4.50	.....
Jennie Morton	do	Jan. 24, 1898	.....	.....	600	.....	147.94	.....	.....
Maggie Murphy	do	Jan. 6, 1898	.....	.....	600	.....	250.46	.....	.....
Sue Nichols	do	Oct. 25, 1897	.....	.....	600	.....	391.11	.....	.....
Mathie O'Brien	do	June 18, 1894	.....	.....	600	.....	532.33	.....	.....
Elizabeth A. Ryan	do	Jan. 24, 1898	.....	.....	600	.....	1.67	.....	.....
Hattie Schultz	do	Sept. 15, 1891	.....	.....	600	.....	560.80	3.75	.....
Tella Schwahn	do	Jan. 3, 1898	.....	.....	600	.....	257.19	.....	.....
Mary Somers	do	Feb. 16, 1895	.....	.....	600	.....	493.83	4.50	.....
Nellie F. Somers	do	Jan. 10, 1898	.....	.....	600	.....	247.11	.....	.....
May Sonntag	do	Feb. 16, 1895	.....	.....	600	.....	542.62	.....	.....
Theckia E. Sonntag	do	Jan. 10, 1898	.....	.....	600	.....	247.11	.....	.....
Mario J. Ward	do	Jan. 24, 1898	.....	.....	600	.....	246.84	.....	.....

Elba E. Whittaker	do	Jan. 1, 1898	600	250.49		
Anna Zimmerman	do	Feb. 16, 1895	600	566.93		
May M. Sheldon	do	Apr. 25, 1898	600	67.58		
Sylvia M. Whittaker	do	do	600	65.93		
Edna L. Willis	do	do	600	72.53		
Albert E. Behnke						\$203.48
Chicago Car Seal and Manufacturing Co.						2.00
Thomas Manufacturing Co.						6.25
The Chicago and Alton R. R. Co.					14.60	
MEAT INSPECTION.						
<i>Indianapolis, Ind.</i>						
Thomas J. Turner	Inspector	Jan. 1, 1897	1,400	1,380.77		
T. L. Armstrong	do	May 1, 1897	1,400	1,202.15		
Robt. Darling	Assistant inspector	Dec. 13, 1897	1,200	661.96		
Wm. H. Netherland	do	Jan. 3, 1898	1,200	179.36		
Saml. G. Hendren	do	Mar. 4, 1898	1,200	373.33		
Fredk. T. Dolan	do	Apr. 1, 1898	1,200	300.00		
Willis B. Lincoln	do	Apr. 1, 1898	1,200	267.03		
Richd. W. Tuck	do	Apr. 18, 1898	1,200	243.96		
Geo. S. Jones	Clerk	Mar. 10, 1898	840	261.33		
Martin J. Grady	do	June 12, 1894	720	675.91		
Jacob Fox	Stock examiner	Jan. 1, 1894	900	900.00		
W. M. Hicklin	do	Apr. 16, 1894	900	602.50		
Geo. W. Koontz	do	Feb. 19, 1894	900	900.00		
Jas. W. Wampler	do	Jan. 1, 1894	900	882.61		
Wm. L. Peggs	do	do	900			
Do	Tagger	Mar. 1, 1898	720	744.47		
Chas. Bartholomew	do	Nov. 11, 1895	720	696.57		
Patt. Kilhen	do	Nov. 8, 1894	720	486.27		
Matthew Quinn	do	Apr. 16, 1893	720	715.98		
Wm. A. Skinner	do	Nov. 18, 1895	720	712.12		
Jas. L. Gorrish	do	Apr. 11, 1898	720	39.56		
Charles Stark	do	May 2, 1898	720	93.93		
Wm. Woldt	Laborer	Feb. 28, 1898		140.00		
T. J. Turner						8.20
E. J. Brooks & Co.						42.60
Belt R. E. and Stock yard Co.						125.25
Chas. O. Brockway						4.20
Thomas Castor						
Central Union Telephone Co.					22.50	
						21.29







List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.
MEAT INSPECTION—cont'd.								
Buffalo, N. Y.								
Thomas Castor	Assistant inspector	Apr. 1, 1897			\$1,200		\$680.20	
Louis K. Green	do	Oct. 1, 1896			1,300		1,153.84	
Wm. A. Rushworth	do	Dec. 15, 1896			1,200		1,128.27	\$62.55
E. L. Volgenan	do	Dec. 2, 1895			1,200		1,200.00	
John P. O'Leary	do	Feb. 1, 1896			1,200		483.40	
John L. Grobe	Stock examiner	Dec. 2, 1895			900		900.00	
Albert W. Meyer	do	Feb. 15, 1896			900		751.05	
Harrison L. Newton	do	Nov. 8, 1894			900		900.00	
Henry L. Riman	do	Feb. 15, 1896			900		900.00	
Michl. Chojnacki	Tagger	Apr. 16, 1894			720		718.10	
Michl. Justinger	do	July 1, 1893			720		688.60	
Johanna Greiner	Laborer	May 29, 1896			a \$30.00		360.00	
Nelson P. Hinkley	do					Hire horse and buggy, etc		\$482.25
Chas. O. Brockway	do					Interstate stamps		42.00
MICROSCOPIC INSPECTION.								
Buffalo, N. Y.								
Emma Becker	Assistant microscopist	Aug. 1, 1892			600		554.19	
Mary Ann Clinton	do	July 10, 1893			600		571.90	
Kate Colgan	do	Aug. 6, 1894			600		598.40	
Lillian E. Farrell	do	July 10, 1893			600		460.83	
Mary A. Haurahan	do	Sept. 11, 1893			600		591.89	
Mary F. Lannon	do	do			600		600.00	
Lizette Little	do	Aug. 1, 1892			600		580.50	
Pearl Masten	do	Dec. 15, 1892			600		552.28	
Anna L. Moran	do	Aug. 1, 1892			600		600.00	
Christina Podolska	do	do	Apr. 27, 1898		600		492.81	
Nellie Nunan	do	do			600		600.00	
Wm. J. Carroll	Tagger	July 10, 1893			600		602.00	
Jas. F. Hughes	Laborer	Apr. 16, 1894			720		400.00	
Frank J. Danahy	Tagger	May 9, 1898			720		140.00	
Ernest F. Slater, jr	do	May 1, 1893			720		176.08	
Nelson P. Hinkley	do	Dec. 7, 1896				Towel supply and expenses		82.18
Dennison Manufacturing Co.	do					Duplicate tags		18.00







Dennison Manufacturing Co.						Duplicate tags		18.00
Chas. O. Brockway						Export stamps		4.20
Chicago Car Seal and Manufacturing Co.						Round, tin sample boxes.		4.00
MEAT INSPECTION.								
Cleveland, Ohio.								
Edw. P. Schaffer	Inspector	Dec. 1, 1897			1,400			
James T. Stuart	do	Sept. 1, 1893			1,400			
Do	Assistant inspector	Mar. 1, 1898			1,200			
John J. Crowley	Tagger	Nov. 6, 1893			720		817.90	\$24.40
Simon Kacher	do	July 1, 1893			720		1,038.66	
John D. Staunton	do	Nov. 6, 1893			720		720.00	
Louis N. Stumpf	do	June 16, 1893			720		720.00	
Dennison Manufacturing Co.						Meat-inspection stamps		21.00
E. J. Brooks & Co						Lead seals and wires		42.50
The Walbash R. R. Co						Transportation, J. T. Stuart	21.00	
MICROSCOPIC INSPECTION.								
Cleveland, Ohio.								
Frank Fila	Tagger	Sept. 25, 1893			720			
Margaret Carroll	Assistant microscopist	Oct. 23, 1894			600		710.00	
Mamie L. Corcoran	do	Dec. 15, 1897			600		588.35	
Alice M. Daugherty	do	Oct. 23, 1894			600		299.52	
Mary English	do	July 1, 1893			600		542.76	
Mary Evans	do	Nov. 1, 1894			600		596.06	
Minnie Forsch	do	July 1, 1893			600		314.26	
Elizabeth C. Gibson	do	July 24, 1896			600		563.56	
Mary Reinhart	do	Sept. 1, 1893			600		122.24	14.00
Belle Ritter	do	Dec. 1, 1894			600		550.94	
Isabella Lace	Janitress and box cleaner	May 29, 1896			600		125.59	14.00
Do	Laborer	Dec. 1, 1897					360.00	
James T. Stuart						Expressage and office supplies		2.25
Edw. P. Schaffer						Office supplies		1.45
Dennison Manufacturing Co.						Duplicate tags		9.00
MEAT INSPECTION.								
Cincinnati, Ohio.								
A. G. G. Richardson	Inspector	July 1, 1896			1,400		906.16	.80
Robt. L. Kelly	Assistant inspector	Sept. 7, 1897			1,200		478.26	
Chas. H. Zink	do	June 1, 1896			1,200		387.18	15.00

a Per month.



List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation:		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
MEAT INSPECTION—cont'd.								
<i>Cincinnati, Ohio—Cont'd.</i>								
Wm. H. Netherland	Assistant inspector	Jan. 25, 1897	Jan. 3, 1898		\$1,200		\$35.87	\$7.50
Albert J. Payne	do	June 1, 1895			1,200		19.78	7.65
A. L. Hirdeman	Stock examiner	Mar. 10, 1896			900		895.12	
Robt. A. Broadhurst	Tagger	Jan. 1, 1896			720		720.00	
Edw. C. Carle	do	Oct. 1, 1895			720		298.00	
Paul E. Quinn	do	Nov. 11, 1895			720		720.00	
Clas. Pearson	do	June 15, 1898			720		31.65	
Clas. O. Brockway						Interstate meat inspection stamps.		\$4.20
E. J. Brooks & Co						Lead seals and wires		42.50
MICROSCOPIC INSPECTION.								
<i>Cincinnati, Ohio.</i>								
Carrie Elders	Assistant microscopist.	Feb. 16, 1898			600		49.50	27.75
Albert J. Payne						Towel supply and express		1.10
MEAT INSPECTION.								
<i>Lincoln, Nebr.</i>								
W. D. Robbins	Inspector	Jan. 4, 1894			1,200		1,200.00	8.70
John E. Hart	Tagger	Oct. 15, 1897			720		158.28	
Joe P. Higgins	do	Mar. 1, 1895	July 31, 1897		720		27.39	
John T. Blair	do	Jan. 3, 1898		\$2.00			68.00	
Hardy Furniture Co						Office chairs		4.80
<i>Nebraska City.</i>								
W. H. Gibbs	Inspector.	Sept. 1, 1893			1,200		1,200.00	2.50
Geo. M. Thomas	Stock examiner	July 1, 1896			900		765.41	
Alfred Day	Tagger	Dec. 10, 1895			720		138.81	
F. A. Dammann	do	June 10, 1895			720		473.38	

<i>Philadelphia, Pa.</i>									
Chas. A. Schautler.....	Inspector.....	Sept. 1, 1893	.....	.....	1, 600	.....	1, 600.00	.....	50.32
Jas. Johnston.....	Assistant inspector.....	Nov. 18, 1895	.....	.....	1, 200	.....	1, 200.00	.....	
Wm. R. Reynolds.....	Stock examiner.....	Dec. 2, 1895	.....	Sept. 30, 1897	900	.....	1, 173.64	.....	
Geo. B. Wright.....	.....do.....	Jan. 1, 1897	.....	Dec. 22, 1897	1, 000	.....	882.84	.....	
Jas. P. Shannon.....	Clerk.....	Dec. 1, 1897	.....	.....	.....	.....	40.76	2.50	
Chas. J. Bigley.....	.....do.....	Jan. 15, 1898	.....	.....	.....	.....	373.08	.....	
Jno. C. Collahan.....	Tagger.....	Oct. 1, 1895	.....	.....	720	.....	706.20	.....	13.09
Lewis Dorn.....	.....do.....	June 16, 1893	.....	May 31, 1898	720	.....	650.76	.....	
A. N. Pepperman.....	.....do.....	Jan. 23, 1896	.....	.....	720	.....	720.00	.....	
Thomas Reid.....	.....do.....	June 1, 1893	.....	.....	720	.....	720.00	.....	
Matt. Robinson.....	.....do.....	May 1, 1897	.....	.....	720	.....	718.00	.....	6.42
Wm. T. Rippet.....	.....do.....	Dec. 2, 1895	.....	.....	720	.....	698.54	.....	
Howard W. Thomas.....	.....do.....	May 7, 1897	.....	.....	720	.....	59.30	.....	
The Bell Telephone Co. of Philadelphia.....	.....	.....	.....	.....	.....	.....	.....	Telephone rental	137.33
Baltimore and Ohio R. R. Co.....	.....	.....	.....	.....	.....	.....	.....	Transfer J. P. Shannon	8.00
<i>Jersey City, N. J.</i>									
Julius Huelsen.....	Veterinary inspector.....	Mar. 10, 1888	.....	.....	1, 400	.....	1, 400.00	.....	38.65
Nathan K. Fegley.....	Assistant inspector.....	June 8, 1896	.....	.....	1, 200	.....	1, 200.00	.....	
Geo. B. Rose.....	Stock examiner.....	Jan. 1, 1894	.....	.....	1, 000	.....	1, 000.00	.....	
Immanuel Due.....	Clerk.....	Mar. 2, 1896	.....	.....	900	.....	892.63	.....	
Geo. J. Hoerner.....	Tagger.....	May 1, 1896	.....	.....	720	.....	720.00	.....	
Jno. McCullough, jr.....	.....do.....	Jan. 8, 1896	.....	.....	720	.....	720.00	.....	
Jno. Purcell, jr.....	.....do.....	Sept. 1, 1893	.....	.....	720	.....	720.00	.....	
Thomas Shea.....	.....do.....	July 17, 1893	.....	.....	720	.....	720.00	.....	
E. J. Brooks & Co.....	.....	.....	.....	.....	.....	.....	.....	Lead seals and wires	42.50
R. H. Weaver.....	.....	.....	.....	.....	.....	.....	.....	Awings and work	4.00
New York, New Haven and Hartford R. R. Co.....	.....	.....	.....	.....	.....	.....	.....	Freight on tags	.82
<i>Portland, Oreg.</i>									
E. N. Hutchinson.....	Assistant inspector.....	Aug. 15, 1896	.....	.....	1, 200	.....	1, 200.00	.....	
John Brown.....	Stock examiner.....	Mar. 2, 1896	.....	.....	900	.....	480.40	.....	
Howard D. Ebey.....	Tagger.....	Feb. 15, 1896	.....	.....	720	.....	678.18	.....	
Wm. H. Gately.....	.....do.....	Mar. 1, 1898	.....	.....	720	.....	192.37	.....	
Melcher M. Hunter.....	Laborer.....	Dec. 8, 1897	.....	.....	.....	.....	148.00	.....	
<i>South Omaha, Nebr.</i>									
Don C. Ayer.....	Inspector.....	Nov. 1, 1896	.....	.....	1, 600	.....	1, 595.67	.....	28.10
J. E. Blackwell.....	.....do.....	Aug. 1, 1893	.....	.....	1, 400	.....	1, 065.38	.....	
E. W. Selmer.....	.....do.....	.....do.....	.....	May 31, 1898	1, 400	.....	1, 061.58	.....	
A. T. Ivoret.....	.....do.....	Nov. 6, 1893	.....	.....	1, 200	.....	1, 196.73	.....	
Saml. E. Costford.....	Assistant inspector.....	Dec. 10, 1895	.....	.....	1, 200	.....	1, 173.90	.....	
Willard A. Savage.....	.....do.....	Apr. 1, 1898	.....	.....	1, 200	.....	300.00	.....	
Dean G. Cooper.....	.....do.....	Mar. 4, 1898	.....	.....	1, 200	.....	380.14	.....	
Chas. Conoyer.....	Clerk.....	Jan. 16, 1897	.....	.....	1, 000	.....	1, 000.00	.....	

*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.				
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.	Miscel- laneous.	
MEAT INSPECTION—cont'd.										
South Omaha, Nebr.—Con- tinued.										
Phelps Paine.....	Clerk.....	June 1, 1897	.....	.....	\$900	.....	.....	.....	\$860.53	.....
Jay E. Williams.....	do.....	Mar. 10, 1898	.....	.....	840	.....	.....	.....	249.63	.....
Chas. S. Dieckey.....	do.....	do.....	May 22, 1898	.....	840	.....	.....	.....	171.30	.....
D. J. Campbell.....	Stock examiner.....	June 1, 1893	Feb. 12, 1898	.....	900	.....	.....	.....	75.80	.....
J. W. Davis.....	do.....	Jan. 1, 1894	.....	.....	900	.....	.....	.....	900.00	.....
Geo. H. Guy.....	do.....	do.....	Nov. 30, 1897	.....	900	.....	.....	.....	75.80	.....
W. K. Jacobs.....	do.....	June 27, 1895	.....	.....	900	.....	.....	.....	890.14	.....
Frank Jelen.....	do.....	Apr. 1, 1895	.....	.....	900	.....	.....	.....	897.57	.....
George Karl.....	do.....	June 26, 1895	.....	.....	900	.....	.....	.....	848.03	.....
Thos. J. Lowrey.....	do.....	Mar. 25, 1895	.....	.....	900	.....	.....	.....	900.00	.....
Jay Merrill.....	do.....	Jan. 1, 1894	.....	.....	900	.....	.....	.....	900.00	.....
Frank G. Patrick.....	do.....	do.....	.....	.....	900	.....	.....	.....	900.00	.....
Jacob I. Payne.....	do.....	do.....	.....	.....	900	.....	.....	.....	900.00	.....
T. J. Alexander.....	Tagger.....	Aug. 1, 1897	.....	.....	720	.....	.....	.....	895.03	.....
Jacob Burkard.....	do.....	May 16, 1893	.....	.....	720	.....	.....	.....	649.67	.....
Joseph Butler.....	do.....	Feb. 16, 1895	Sept. 30, 1897	.....	720	.....	.....	.....	720.00	.....
Patk. Butler.....	do.....	May 16, 1893	Nov. 5, 1897	.....	720	.....	.....	.....	105.66	.....
Dee N. Chase.....	do.....	June 27, 1895	.....	.....	720	.....	.....	.....	11.74	.....
James Condon.....	do.....	Aug. 4, 1897	.....	.....	720	.....	.....	.....	706.10	.....
W. W. Crandall.....	do.....	June 1, 1897	.....	.....	720	.....	.....	.....	645.66	.....
Reuben Forbes.....	do.....	Aug. 1, 1897	.....	.....	720	.....	.....	.....	716.10	.....
Elias Gilmore.....	do.....	Feb. 16, 1898	.....	.....	720	.....	.....	.....	655.54	.....
John E. Hart.....	do.....	Oct. 15, 1897	.....	.....	720	.....	.....	.....	278.00	.....
Anton Kostal.....	do.....	May 16, 1893	.....	.....	720	.....	.....	.....	350.44	.....
James Kunes.....	do.....	do.....	.....	.....	720	.....	.....	.....	718.10	.....
Russell G. Merrill.....	do.....	June 10, 1898	.....	.....	720	.....	.....	.....	224.76	.....
Thomas Leddy.....	do.....	Feb. 15, 1895	.....	.....	720	.....	.....	.....	41.54	.....
R. M. Mahana.....	do.....	June 1, 1893	.....	.....	720	.....	.....	.....	706.26	.....
John McCann.....	do.....	June 27, 1895	.....	.....	720	.....	.....	.....	720.00	.....
Jas. D. Murphy.....	do.....	June 1, 1895	Feb. 12, 1898	.....	720	.....	.....	.....	717.94	.....
Chas. H. McCormick.....	do.....	June 6, 1898	.....	.....	720	.....	.....	.....	60.60	.....
Jno. B. Payton.....	do.....	July 16, 1897	.....	.....	720	.....	.....	.....	43.52	.....
Stephen Roberts.....	do.....	Aug. 16, 1897	.....	.....	720	.....	.....	.....	690.70	.....
Jas. T. Robertson.....	do.....	Nov. 1, 1897	.....	.....	720	.....	.....	.....	630.10	.....
L. Schilbsby.....	do.....	Nov. 6, 1893	.....	.....	720	.....	.....	.....	461.55	.....
Larry A. Shatzell.....	do.....	Aug. 4, 1897	.....	.....	720	.....	.....	.....	712.00	.....
									651.68	.....



Peter W. Sherlock.....	do	Mar. 25, 1895	Feb. 12, 1898	720	60.60		
Wm. H. Saunders.....	do	Apr. 11, 1898		720	152.35		
Philip Smith.....	do	May 22, 1893		720	708.06		
Saml. I. Valentine.....	do	Oct. 16, 1894		720	715.98		
Chris. M. Raff.....	do	Mar. 9, 1898		720	226.00		
Henry C. Williams.....	do	Apr. 1, 1898		720	180.00		
John T. Blair.....	do	Jan. 3, 1898			216.70		
J. O. Eastman.....	Laborer	July 1, 1897			474.00		
Geo. S. Hickox.....	do	Nov. 9, 1897			400.00	\$3.00	
D. R. Way.....	do	June 21, 1897			128.00	\$4.12	
Packers' National Bank.....							308.23
Evans' Laundry Co.....							11.50
Nebraska Telephone Co.....							51.50
Omaha Printing Co.....							6.00
Chas. O. Brockway.....							210.00
Wm. E. Pratt.....							4.15
Luis Berger.....							11.90
Carter Hardware Co.....							3.50
E. J. Brooks & Co.....							850.00
American Express Co.....							2.25
N. L. Woodward.....							3.00
M. Donovan.....							5.00
The Chicago, Burlington and Quincy R. R. Co.....						2.93	
Fredk. Braginton.....	Inspector	May 16, 1893		1,400	319.22	6.80	8.50
Chas. Vandervoort.....	Tagger	do		720	144.44	6.50	
MICROSCOPIC INSPECTION.							
South Omaha, Nebr.							
Lowell Clarke.....	Assistant inspector.	Nov. 1, 1895		1,200	1,147.32		
Sarah H. Y. Barber.....	Assistant microscopist	Aug. 20, 1897		600	492.20		
Maud B. Beck.....	do	Feb. 10, 1898		600	208.60		
Mary G. Bothwell.....	do	Dec. 20, 1897		600	293.10		
Louise Breton.....	do	Sept. 1, 1897		600	497.40		
Daisy M. Bryant.....	do	Dec. 20, 1897		600	260.27		
Ida E. Bushnell.....	do	May 16, 1893		600	545.97		
Nellie M. Dennis.....	do	Jan. 5, 1895		600	563.74		
Carrie Ehlers.....	do	Feb. 16, 1898		600	173.87		
Maggie Fahey.....	do	Jan. 5, 1895	Apr. 30, 1898	600	408.37		
Mary K. Gible.....	do	June 16, 1893		600	549.13		
Lulu E. Gibson.....	do	Sept. 1, 1896		600	513.84		
Margaret Hogan.....	do	June 16, 1893		600	534.47		
Stella Huestis.....	do	Dec. 20, 1897		600	294.80		
Etta Kasal.....	do	June 16, 1893		600	508.70		
Mary E. Kilbourne.....	do	Aug. 20, 1897		600	513.59		
Mary Madden.....	do	do	Dec. 19, 1897	600	195.74		
Gertrude McCulloh.....	do	do		600	470.79		

S. Doc. 551



Frank L. De Wolf	do	Sept. 16, 1895	1,200	1,079.97	\$40.05	.....
Geo. Ditewig	do	Aug. 11, 1896	1,200	430.45	.....	.....
Fredk. W. Hopkins	do	Feb. 15, 1896	1,200	466.63	12.80	.....
Robt. J. Kelly	do	Sept. 7, 1897	1,200	495.70	.....	.....
John P. Turner	do	June 7, 1898	1,200	52.75	.....	.....
Stock examiner	do	Feb. 15, 1895	900	900.00	.....	.....
A. R. Bruton	do	Jan. 1, 1894	900	858.41	.....	.....
Wm. T. Flynn	do	Sept. 1, 1896	900	900.00	.....	.....
David R. Hodges	do	Nov. 12, 1894	900	900.00	.....	.....
Geo. Sutherland	do	Mar. 2, 1896	900	887.79	.....	.....
Geo. H. Woolfolk	do	Apr. 1, 1897	900	74.13	.....	.....
Jno. F. Schiermann	do	Apr. 10, 1895	900	900.00	.....	.....
Wm. S. Crawford	Clerk	Dec. 1, 1893	720	676.00	.....	.....
Clement Bevelot	Tagger	Feb. 15, 1895	720	716.10	.....	.....
Joseph G. Carr	do	do	720	720.00	.....	.....
Wm. J. Doyle	do	June 24, 1895	720	720.00	.....	.....
Robt. Gray	do	Jan. 2, 1894	720	720.00	.....	.....
Geo. Markert	do	May 1, 1896	720	720.00	.....	.....
Frank O'Neill	do	Feb. 15, 1895	720	388.00	.....	.....
Jos. Sullivan	do	Apr. 1, 1898	720	178.06	.....	.....
Edwd. O. Speake	do	June 18, 1898	720	19.78	.....	.....
Geo. F. Harley	do	Feb. 15, 1895	720	496.00	.....	.....
E. S. Bennett	do	.....	.....	.....	.....	.....
St. Louis Natl. Stock Yards	do	.....	.....	.....	.....	.....
E. J. Brooks & Co	do	.....	.....	.....	.....	.....
Chas. O. Brockway	do	.....	.....	.....	.....	.....
<i>Clinton, Iowa.</i>						
Arthur B. Morse	Inspector	May 19, 1895	1,400	700.00	15.35	3.35
Chicago and Northwestern Rwy. Co.	do	.....	.....	.....	6.75	.....
Chicago Great Western Rwy. Co.	do	.....	.....	.....	6.65	.....
MICROSCOPIC INSPECTION.						
<i>East St. Louis, Ill.</i>						
Frank L. De Wolf	Assistant inspector	Sept. 16, 1895	1,200	73.33	.....	.....
E. S. Bennett	Tagger	Feb. 15, 1895	720	224.00	.....	.....
David C. Barnett	do	Mar. 25, 1898	720	192.00	.....	.....
Clement Bevelot	do	Dec. 1, 1893	720	44.00	.....	.....
Alta H. Baker	Assistant microscopist	Mar. 10, 1898	600	184.97	.....	.....
Nellie M. Bell	do	do	600	148.67	.....	.....
Mary Connolly	do	June 9, 1898	600	34.62	.....	.....
Joanna T. Green	do	Mar. 10, 1898	600	152.01	.....	.....
Pearl M. Finch	do	June 10, 1898	600	34.62	.....	.....
Sallie R. Griffin	do	Sept. 1, 1893	600	186.67	.....	.....
Anna Klingel	do	Mar. 10, 1898	600	186.67	5.35	.....
Cora A. Houseman	do	June 10, 1898	600	32.97	.....	.....

a Per month.





Henry Wagner.....	do	June 22, 1891	720	720.00	.....	720.00	.....
Walter Walsh.....	do	May 16, 1893	720	720.00	.....	720.00	.....
Jas. L. Gerrish.....	do	Apr. 11, 1898	720	120.70	Interstate meat-inspection stamps.	42.00	.....
Chas. O. Brockway.....	.....	.....	.....	.....	Meat-inspection tags	126.00	.....
Dennison Manufacturing Co.	.....	.....	.....	.....	Lead seals and wires	255.00	.....
E. J. Brooks & Co.....	.....	.....	.....	.....	.....	.....	.....
<i>South St. Paul, Minn.</i>							
Arehibald McBride.....	Assistant inspector.	June 8, 1896	1,200	1,200.00	.....	1,200.00	5.45
M. O. Anderson.....	do	Mar. 9, 1898	1,200	376.67	.....	376.67	.....
Chas. Keane.....	do	Dec. 1, 1897	1,200	324.47	.....	324.47	.....
Clarence Lovelberry.....	do	Feb. 7, 1898	1,200	476.63	.....	476.63	.....
Thos. M. Libby.....	Stock examiner.	Oct. 1, 1895	900	897.50	.....	897.50	.....
Jno. Jacobson.....	Tagger	Feb. 15, 1895	720	459.73	.....	459.73	15.75
Harry S. Newlove.....	do	Jan. 1, 1897	720	387.39	Lead seals and wires.	85.00	.....
E. J. Brooks & Co.....	.....	.....	.....	.....	.....	.....	.....
<i>Louisville, Ky.</i>							
Niels C. Sorensen.....	Assistant inspector	July 15, 1895	1,200	42.31	.....	42.31	12.42
Do.....	Inspector	Apr. 1, 1898	1,400	.....	.....	.....	.....
Albert J. Payne.....	Assistant inspector.	June 1, 1895	1,200	1,180.22	.....	1,180.22	11.65
Arthur H. Bibb.....	Stock examiner.	May 1, 1896	900	897.57	.....	897.57	.....
Frank Canon.....	do	Apr. 1, 1894	900	180.95	.....	180.95	.....
Herbert M. Smith.....	do	Aug. 19, 1897	900	635.88	.....	635.88	33.40
Hogan Gaines.....	Tagger	Apr. 1, 1898	720	180.00	Interstate meat-inspection stamps.	21.84	.....
Chas. O. Brockway.....	.....	.....	.....	.....	.....	.....	.....
<i>Sioux City, Iowa.</i>							
Wm. Thompson.....	Assistant inspector.	Nov. 19, 1894	1,200	1,230.80	.....	1,230.80	25.80
Do.....	Inspector	Apr. 1, 1898	1,400	.....	.....	.....	.....
Geo. A. Johnson.....	Assistant inspector.	Apr. 1, 1897	1,200	300.00	.....	300.00	.....
Geo. W. Clark.....	Clerk	Mar. 1, 1898	900	302.50	.....	302.50	.....
W. B. Griggs.....	Stock examiner.	Mar. 1, 1895	900	592.58	.....	592.58	.....
Donald McDonald.....	do	Feb. 1, 1896	900	897.58	.....	897.58	.....
Wm. B. Treadway.....	do	Jan. 1, 1894	900	811.95	.....	811.95	.....
Chas. J. Chamberlain.....	Tagger	Mar. 1, 1894	720	720.00	.....	720.00	.....
D. A. Winnie.....	do	Apr. 17, 1893	720	720.00	.....	720.00	.....
Thos. G. Cowgill.....	do	May 9, 1898	720	104.79	.....	104.79	.....
Jas. Ferguson.....	Laborer	Feb. 9, 1898	.....	152.00	.....	152.00	.....
Henry D. Osborne.....	do	June 30, 1898	2.00	140.00	Telephone rental	24.00	.....
Iowa Telephone Co.....	.....	.....	2.00	.....	.....	.....	.....

a Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.
MICROSCOPIC INSPECTION.								
Sioux City, Iowa.								
Ulysses G. Houck	Assistant inspector	Sept. 15, 1896			\$1,200		\$176.63	
Mary A. Atwood	Assistant microscopist	Feb. 7, 1898			600		200.34	
Eulalia Edwards	do	Sept. 1, 1897			600		203.71	
Mary Maddon	do	Aug. 20, 1897	May 6, 1898		600		144.30	
Anna E. Strange	do	Feb. 7, 1898			600		202.04	
H. Inez Temple	do	do			600		202.04	
Gertrude Wells	do	do	May 6, 1898		600		146.09	
Mary E. Williams	do	Oct. 25, 1897			600		200.37	
Mary L. Pendleton	do	May 9, 1898			600		52.75	
Alice E. Spalding	do	do			600		52.75	
Amelia M. Allyn	do	May 16, 1898			600		39.57	
Clara E. Townsend	do	do			600		41.21	
Eugenie Ulrich	do	do			600		41.21	
Wm. Thompson	do	do			600	Towels, ice, stationery		\$72.08
Wm. Hill	do	do			600	Janitor work		3.75
Martin P. Berg	do	do			600	Tables		12.50
Pelletier Dry Goods Co.	do	do			600	Window shades, tubs, etc.		17.09
E. A. Conway Coal Co.	do	do			600	Coal and kindling		26.63
Frank T. Houx	do	do			600	Repairing wall and ceilings		15.00
Abuskog & Anderson	do	do			600	Papering and calceining		10.00
Beach & Weld	do	do			600	Stove, hood and shovels		28.20
Brickson Hardware Co.	do	do			600	Stove, water tank, and nails		29.65
Lindholm Furniture Co.	do	do			600	Oak desk, flat top		11.00
Chicago, Milwaukee and St. Paul Rwy. Co.	do	do			600	Transportation, U. G. Houck	12.75	
Ochsner & Orentli Co.	do	do			600	Oil stove, water cooler		9.40
Cedar Rapids, Iowa.								
Trajan A. Shipley	Inspector	July 1, 1896			1,400		1,400.00	
John McBirney	do	June 15, 1897			1,400		280.75	3.55
Wm. F. Phaegeing	Stock examiner	Aug. 1, 1894			900		897.57	
Geo. H. Bucklin	Tagger	June 24, 1895	Apr. 2, 1898		720		538.00	
F. A. Dammann	do	June 10, 1895			720		226.96	
Alfred Day	do	Dec. 10, 1895			720		493.10	
Chas. L. Grumbine	Laborer	Apr. 12, 1898			\$2.00		134.00	



Chas. O. Brockway.....						Interstate stamps.....	42.00
Dennison Manufacturing Co.....						Meat inspection tags.....	6.30
E. J. Brooks & Co.....						Lead seals and wires.....	17.00
MICROSCOPIC INSPECTION.							
<i>Cedar Rapids, Iowa.</i>							
Walter J. Stewart.....	June 15, 1896	Assistant inspector.....	1,200			360.00	6.87
Mary E. Adams.....	Feb. 16, 1898	Assistant microscopist.....	600			208.49	
Edith A. Bailey.....	do	do	600			196.90	
Ursula P. Bryant.....	do	do	600			213.34	
M. Ruby Douglas.....	May 15, 1898	do	600			142.56	
Abbie E. Johnson.....	do	do	600			142.56	
Pearl E. Listebarger.....	do	do	600			142.56	
M. Ellen Lucore.....	do	do	600			140.90	
Leah Maynard.....	do	do	600			140.86	
Mabel Sprague.....	do	do	600			127.68	
Edith L. Wolf.....	do	do	600			203.45	
Martha A. Brittan.....	do	do	600			74.17	
Trescy Cowan.....	do	do	600			74.17	
Carolyn M. Hopkins.....	do	do	600			62.64	
Isabel D. Knox.....	do	do	600			46.15	
Goldie B. Spafard.....	do	do	600			72.52	
May M. Hartley.....	do	do	600			36.26	
D. N. Wheeler.....	Mar. 10, 1898	Laborer.....	2.00			192.00	
T. A. Shipley.....							66.37
F. Macfarlane.....							15.75
Jones & Luberg.....							12.00
MEAT INSPECTION.							
<i>Ottumwa, Iowa.</i>							
Joshua Miller.....	Dec. 10, 1895	Assistant inspector.....	1,200			1,200.00	15.05
Abraham Mader.....	Jan. 1, 1894	Stock examiner.....	900			890.00	
Llewellyn C. Akin.....	Feb. 1, 1898	Tagger.....	720			284.00	
Geo. S. Bliss.....	May 18, 1898	do	720			85.05	
E. J. Brooks & Co.....							8.50
MICROSCOPIC INSPECTION.							
<i>Ottumwa, Iowa.</i>							
Walter J. Stewart.....	June 15, 1896	Assistant inspector.....	1,200			16.67	14.98
Eunnie Cone.....	Mar. 9, 1898	Assistant microscopist.....	600			155.42	
Emma J. Dawson.....	Apr. 1, 1898	do	600			112.10	
Alice A. Emery.....	Mar. 9, 1898	do	600			119.09	
Mande D. Holman.....	do	do	600			133.93	
Bertha S. Hunter.....	do	do	600			138.76	

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.	Miscel- laneous.
MICROSCOPIC INSPECTION— continued.									
Ottumwa, Iowa—Cont'd.									
Clara Sargent.....	Assistant microscopist	Mar. 9, 1898	June 8, 1898		\$600		\$122.45		
Addie D. Smith.....	do	do	do		600		119.09		
Vinnie White.....	do	do	do		600		133.94		
Harriet E. Barnes.....	do	June 9, 1898	do		600		32.97		
Margaret E. Stevens.....	do	do	do		600		32.97		
Reulah MacFarland.....	do	do	do		600		29.67		
Winifred MacFarland.....	do	do	do		600		29.67		
U. R. Walton.....	Laborer	Mar. 28, 1898		a \$30.00		Towels, janitor, express, and freight.	93.87	\$11.75	
Joshua Miller.....									
MEAT INSPECTION.									
Pittsburg, Pa.									
Fredk. W. Ainsworth.....	Assistant inspector	Feb. 7, 1898	Feb. 28, 1898		1,200		463.30		
Wm. H. Kearfoot.....	Stock examiner	Oct. 1, 1895	Feb. 15, 1898		900		459.98		
Geo. B. Martin.....	Tagger	Mar. 1, 1895	Apr. 15, 1898		720		488.00		
Jas. L. McGill.....	do	Jan. 17, 1898	do		720		328.00		
Frank J. Gilmore.....	do	Feb. 1, 1896	do		720		3.91		
Jas. F. Hughes.....	Laborer	May 9, 1898	do		720		102.82		
Jno. T. Callahan.....	do	Sept. 3, 1897	do	2.00			235.00		
Louis R. Collick.....	do	Dec. 3, 1897	do	2.00		Freight and office expenses	49.00	1.60	
Harry N. Waller.....	do	do	do			Lead seals and wires		34.00	
E. J. Brooks & Co.....	do	do	do						
Marshalltown, Iowa.									
Ira K. Atherton.....	Assistant inspector	Feb. 15, 1895	do		1,200		1,200.00	1.85	
Alfred J. Smith.....	Tagger	Apr. 15, 1898	do		720		150.37	8.50	
David C. Wilbur.....	do	do	do			Flat-top desk			
MICROSCOPIC INSPECTION.									
Marshalltown, Iowa.									
Arthur R. Wake.....	Assistant inspector	Nov. 18, 1895	do		1,200		253.85	\$14.80	
Mary E. Chickering.....	Assistant microscopist	Apr. 18, 1898	do		600		88.92		

Inez J. Christie	do	do	do	600	88.92		
Clara E. Holmes	do	do	do	600	88.92		
Mae S. Wall	do	do	do	600	79.12		
Maud St. John	do	do	do	600	19.78		
Ira K. Atherton	do	do	do			Towels, express, cups, and glasses.	15.39
David C. Wilbur	do	do	do			Desk, table, and chairs	16.15
Louis Hax Furniture Co.	do	do	do			Tables	13.50
MEAT INSPECTION.							
<i>Davenport, Iowa.</i>							
Chas. M. Day	Assistant inspector.	Nov. 19, 1894		1,200	436.97		
Geo. Ditewig	do	Aug. 11, 1896		1,200	739.69	4.15	.65
John Iramer	Stock examiner.	June 27, 1895		900	900.00		
Geo. C. Burke	do	Jan. 1, 1894		900	900.00	7.36	
Chicago, Burlington and Quincy R. R. Co.						Transportation Geo. Ditewig	
<i>San Francisco, Cal.</i>							
Geo. S. Baker	Inspector	Nov. 1, 1896		1,600	1,600.00	202.15	24.90
John J. Borden	Stock examiner	Mar. 2, 1896		900	900.00		
John Brown	do	do		900	117.18		
Ambrose McSweeney	do	Feb. 15, 1896		900	872.96		
Daniel McSweeney	do	Nov. 18, 1895	Mar. 31, 1898	900	179.30		
John E. Munn	do	Jan. 1, 1897		900	900.00		
John F. Nelson	do	Feb. 15, 1896		900	882.86		
James A. Riley	do	Nov. 10, 1896		900	852.50		
Laomer West	Clerk.	June 1, 1896		900	900.00		
Thos. N. Badger	Tagger	Sept. 1, 1897	Dec. 31, 1897	720	176.14		
Frank Brown	do	Dec. 7, 1896	Mar. 1, 1898	720	449.94		
Thos. F. Brown	do	Oct. 12, 1896		720	153.23		
Harry S. Newlove	do	Jan. 1, 1897		720	322.82		
Jno. H. Webster	do	Mar. 2, 1896		720	720.00		
Edw. E. Stephens	do	Dec.		720	180.00		
B. P. Oliver	do					Office rent	240.00
Pacific Telephone and Telegraph Co.						Telephone rental	120.00
<i>Los Angeles, Cal.</i>							
Orlando B. Hess	Inspector	July 1, 1896		1,400	1,400.00		2.20
Wm. R. Dennis	Stock examiner	Nov. 10, 1896		900	900.00		
A. J. O'Rourke	do	do		900	900.00		
Thos. N. Badger	Tagger	Sept. 1, 1896	Dec. 31, 1897	720	180.00		
M. J. P. Nolte	do	July 1, 1896		720	720.00		
Edw. E. Stephens	do	Dec. 9, 1896		720	534.18		
Orlando B. Hess						Hire, horse and buggy	360.00

a Per month.







List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
MEAT INSPECTION—cont'd.								
Miscellaneous—Continued.								
Thomas Manufacturing Co.						"Condemned" tags.		\$103.50
Caton Manufacturing Co.						Pad ink.		4.20
E. J. Brooks & Co.						Seals and wires, and felt pads.		1,820.04
Geo. W. Knox Express Co.						Drayage.		.48
Fredk. Springmann						do		12.00
James B. Lambie						1 box chisel		.40
The Public Printer						200 copies Bulletin, No. 19		33.94
Old Colony Steamboat Co.						Freight on tags.		1.72
Vandalia Line.						do		168.95
Star Union Line.						Freight on tags and seals.		37.54
Kansas and St. Joseph R. R. Co.						Freight on tags and ink.		63.59
Burlington and Missouri River R. R. in Nebraska.						Freight on stamps.		28.72
Wabash R. R. Co.						Freight on seals and presses.		76.00
Oregon R. R. and Navigation Co.						Freight on seals and tags.		1.26
Missouri Pacific Rwy Co.						Freight on stamping ink.		1.22
Chicago, Indianapolis and Louisville Rwy. Co.						Freight on stamps.		3.79
Baltimore and Ohio R. R. Co.						Freight on tags and ink.		2.06
Pennsylvania R. R. Co.						Freight on tags, seals, and presses.		12.22
Chicago and Alton R. R.						do		5.04
Cleveland, Cincinnati, Chicago and St. Louis Rwy Co.						Freight on seals and stamps.		3.61
New York, Chicago and St. Louis Rwy. Co.						Freight on stamps.		1.78
Chicago and Northwestern Rwy. Co.						Freight on stamps, tags, and ink.		65.99
Erie R. R. Co.						Freight on seals and presses.		2.59
West Shore R. R.						Freight on stamps.		3.90
Eugene M. Tilden.						Stamping ink.		12.00
J. L. Gilbert & Bro.						Pad boxes.		15.00



R. Harris & Co.....	100 silver badges.....					140.00
Geo. A. Shehan.....	Shelving.....					1.74
Chicago, Milwaukee and St. Paul Rwy. Co.....	Freight on seals and presses.....					73.90
Chicago and Erie R. R.....	do.....					32.92
New York, New Haven and Hartford R. R. Co.....	Freight on stamps and hard- ware.....					23.93
Chicago, Burlington and Quincy Rwy. Co.....	Freight on stamps.....					.76
Illinois Central R. R. Co.....	Freight on stamps, seals, and presses.....					2.31
Total.....				\$381,408.44	\$716.34	25,380.05
MICROSCOPIC INSPECTION.						
<i>Miscellaneous.</i>						
Colman Brez.....	Expert repairer microscopic apparatus.....	Aug. 16, 1897	\$4.50			19.55
Do.....	Instrument repairer.....	Apr. 1, 1898		\$1,000	1,032.32	639.10
Z. D. Gilman.....	Lock boxes, forceps, and scis- sors.....					41.60
Rufus P. Clarke.....	Hand towels.....					52.05
John C. Parker.....	Stationery.....					414.00
Dennison Manufacturing Co.....	Duplicate checks and tags.....					675.96
E. J. Brooks & Co.....	Compressor glasses.....					250.95
Bausch & Lomb Optical Co.....	Microscopes and repairing.....					214.20
Chas. O. Brockway.....	Export stamps.....					.75
James B. Lambie.....	Brass rod.....					809.38
J. Ottmann Lithographing Co.....	Bound certificates of inspec- tion.....					8.75
Goumpf & Thompson.....	Enameling microscope stands.....					6.77
Vandalia Line.....	Freight on duplicate tags and checks.....					7.80
Star Union Line.....	do.....					.66
West Shore R. R.....	do.....					6.35
Baltimore and Ohio South- western Rwy. Co.....	Freight on tag fasteners, etc.....					.96
Chicago and Northwestern Rwy. Co.....	Freight on duplicate checks.....					1.60
Hannibal and St. Joseph Rwy. Co.....	Freight on lock boxes.....					.41
Erie R. R. Co.....	Freight on tag fasteners.....					.96
Chicago, Milwaukee and St. Paul Rwy. Co.....	Freight on lock boxes.....					1.21
New York, New Haven and Hartford R. R. Co.....	do.....					2.77
Chicago, Burlington and Quincy R. R. Co.....	Freight on tags and tag fast- eners.....					

*List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MICROSCOPIC INSPECTION—continued.									
<i>Miscellaneous—Continued.</i>									
Thomas Manufacturing Co.						Tag fasteners.....			\$134.38
Chicago Car Seal and Manufacturing Co.						Sample boxes.....			34.00
John P. Nawrath.....						White twine.....			9.50
Rudolph, West & Co.....						Brass padlocks.....			56.28
George A. Shehan.....						Lumber.....			4.50
The Grant Manufacturing Co.						Lead discs.....			25.00
Spencer Lens Co.....						Stages for microscopes.....			342.60
Total.....							\$161,554.00	\$262.47	10,159.38

O





